

MAIN CATALOG 2021

DIN-Rail components

for rolling stock applications



- Rolling stock dedicated fire- & smoke-protective material ensure passenger & personal safety
- Vibration- and shock-tested and approved products of highest quality
- Extensive range of accessories ensures installation flexibility and fulfills requirements of all applications

Rail is being rediscovered as a sustainable and energy-efficient form of transport. We understand the importance and implications of running these railway networks. We provide complete solutions that protect your infrastructure, and meet the expectations of users and transport stakeholders. When it comes to passenger stations and buildings, the key focus areas are energy efficiency, safety and security, and building automation.



DIN-Rail components for rolling stock applications

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Introduction

Urban and interurban mobility needs are constantly increasing and represents one of the main challenges for cities and countries. We are committed to contribute to the development of the “Sustainable Mobility” by providing our expertise for reliable, efficient, environmental friendly transportation solutions for Rolling Stock.

The requirements for railway applications are increasing and will continue to do so. The task is to implement even faster connections, while also increasing traveler comfort. During their everyday work, the trains are exposed to very high environmental, electrical and mechanical loads. This means a constant stream of new, increased and standardized safety standards for rolling stock and rail infrastructure solutions.

By developing solutions and products which are innovative, reliable, safe and easy to install, we are consistently meeting the high standard of safety expectations for transportation”





ABB supports the high levels of expectations for a safe means of transport

ABB is a market leader in supplying innovative and reliable technologies for train manufacturers and railway operators. We help to keep the world moving with new sustainable approaches that enable customers to use energy effectively, creating a low carbon transportation industry that operates with maximum efficiency and reliability. We are present in more than 100 countries and we can provide strong local support to your project. With a truly global organization, we are committed to local competence and local service. We also support transport operators throughout the whole life cycle of the traction chain, i.e. in the areas of service, maintenance, upgrades, and retrofit projects.

IRIS certification

In 2005, the IRIS Group was established as a UNIFE Group with the goal of securing higher quality in the railway industry. This was to enhance supra-national competition by enabling any railway component supplier to meet globally recognized levels of quality for its railway components. The aim of IRIS is to develop and implement a global system for the evaluation of companies securing a very high quality in the railway industry. The IRIS system defines requirements in content, procedures and evaluation of audits as well as a requirement profile for the certification bodies and auditors.

ABB IRIS certified factories are listed on the IRIS internet portal: iris-rail.org/index.php



Introduction

Railway reference standards

Fire safety and general requirements

The use of DIN rail modular devices in rolling stock is subject to the highest possible safety standards. And thus compliance with special standards. In this regard, the key standards are:

- EN 45545 – Railway applications – Fire protection on railway vehicles.
- EN 50155 – Railway applications – Rolling Stock – Electronic equipment.
- IEC 61373 – Railway applications – Rolling stock equipment – Shock and vibration tests.

Fire and smoke protection standard EN 45545

This standard has been developed from existing fire safety regulations for railway vehicles from the International Union of Railways (UIC) and different European countries. The measures specified in standard EN 45545 are intended to protect passengers and staff in case of a fire on board.

The reaction to fire performance requirements of materials and components depend on their intrinsic nature but also:

- on the location of the materials or components within the design;
- on the shape and the layout of the materials;
- on the surface exposed and the relative mass and the thickness of the materials.

It is on this basis that the listed products have been classified and further differentiated into subgroups as follows:

their general location (interiors or exteriors);

their specific use (furniture, electrotechnical equipment or mechanical equipment).

DIN-Rail devices are classified, according the following table:

Product No.	Name	Details	Requirements
E	Electrotechnical equipment		
EL10	Low power electrotechnical products	Examples include low power circuit breakers, overload relays, contactors, contactor relay, switches, control or signalling switches, terminals, fuses	R26

Note: All ABB devices available on this catalogue meet R26 requirements.

The set of requirements defines the ability of products to contain fire development to an appropriate degree considering the location, the exposed surfaces, their geometry and general disposition.

Requirements for R26 level are described in the chart below:

Short name of requirement set (used for)	Test method reference	Parameter Unit	Maximum or Minimum	HL1	HL2	HL3
R26 (EL10)	T17 EN 60695-11-10	Vertical small flame test	Minimum	V0	V0	V0

The design of rolling stock and the products used shall incorporate the aim of limiting fire development in case an ignition event occurs so that an acceptable level of safety is achieved. In the event of a fire, passengers and staff will be able to escape from the fire unaided and be able to reach a place of safety. The operation and design categories defined in EN 45545-1 are used to establish hazard levels that are used as the basis of a classification system.

Hazard levels have been determined according to the operating categories of a train and how the train itself is conceived. The operating conceptions are divided into four different types starting with standard vehicles to trains with sleeping cars. These trains usually operates in different operating environments. According to EN 45545, there are four types of environments depending on the distance a train is travelling inside tunnels. The combination of those two criteria is decisive for the „Classification of the Hazard Level“. Below you find a matrix that is indicating the hazard level of the different combinations of operating conceptions in combination with the train type.

Train types	Tunnel length	Operating Conceptions			
		N	A	D	S
		Standard vehicles	Automatic vehicles without staff on board	2 level vehicles	Sleeping cars 2 levels or 1 level
1	< 1 km	HL1	HL1	HL1	HL2
2	< 5 km	HL2	HL2	HL2	HL2
3	> 5 km	HL2	HL2	HL2	HL3
4	> 5 km no side evacuation	HL3	HL3	HL3	HL3

Note: ABB DIN-Rail modular devices for rolling stock application are classified with the highest hazard level HL3.



Introduction

Railway reference standards

Shock and vibration tests IEC 61373

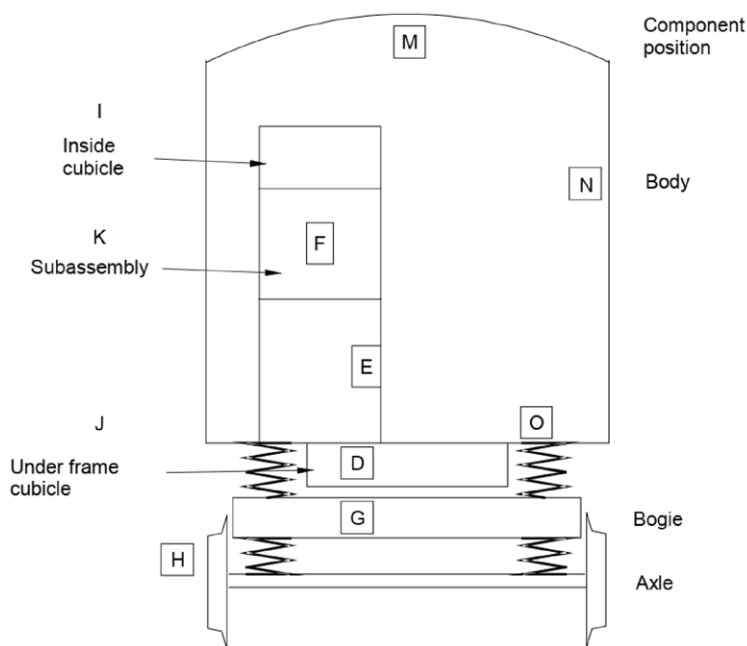
This International Standard specifies the requirements for testing items of equipment intended for use on railway vehicles which are subsequently subjected to vibrations and shock owing to the nature of railway operational environment. To gain assurance that the quality of the equipment is acceptable, it has to withstand tests of reasonable duration that simulate the service conditions seen throughout its expected life.

The test values quoted in this standard have been divided into three categories dependent only upon the equipment's location within the vehicle Category 1 – Body mounted;

Category 2 – Bogie mounted (cubicles, subassemblies, equipment and components which are to be mounted on the bogie of a railway vehicle) and Category 3 – Axle mounted (subassemblies, equipment and components or assemblies, which are to be mounted on the wheelset assembly of a railway vehicle).

For line protection devices the Category 1 is requested. Category 1 can be divided into 2 subgroups, according to the location of the components:

- Class A: cubicles, subassemblies, equipment and components mounted directly on or under the car body.
- Class B: Anything mounted inside an equipment case which is in turn mounted directly on or under the car body. Category B should be used when it is not clear where the equipment is to be located.



IEC 1108/10

Category	Location	Description of equipment location
1 Class A	M N O I and J	Components which are mounted directly on to or under the car body
1 Class B	D	Components mounted into an underframe cubicle which is in turn fixed to the car body
1 Class B	K and E	Components mounted into a large internal cubicle which is in turn fixed to the car body
1 Class B	F	Components mounted into subassemblies which are in turn mounted into a cubicle which is in turn fixed to the car body
2	G	Cubicles, subassemblies, equipment and components which are mounted on the bogie of a railway vehicle
3	H	Subassemblies, equipment and components or assemblies which are mounted on to the axle assembly of a railway vehicle

All ABB products available in this catalogue are not only compliant with the main standards for the railways sector but fulfill the requirements of the most important and demanding international standards for household and industrial installations. The scope of these standards is reported below:

- **IEC/EN 60898-1:** applies to a.c. air-break circuit-breakers for operation at 50 Hz or 60 Hz, having a rated voltage not exceeding 440 V (between phases), a rated current not exceeding 125 A and a rated short-circuit capacity not exceeding 25000 A. These MCBs are intended for the protection against overcurrents of wiring installations of buildings and similar applications; they are designed for use by uninstructed people and for not being maintained.
- **IEC/EN 60898-2:** gives additional requirements for circuit-breakers which are suitable for operation with direct current, and have a rated d.c. voltage not exceeding 220 V for single-pole and 440 V for two-pole circuit-breakers, a rated current not exceeding 125 A and a rated d.c. short-circuit capacity not exceeding 10 000 A.
- **IEC/EN 60947-2:** applies to low voltage circuit breakers (MCBs) for use in industrial and similar applications. In particular the standards refer to circuit-breakers, the main contacts of which are intended to be connected to circuits, the rated voltage of which does not exceed 1000 V AC or 1500 V DC; it also contains additional requirements for integrally fused circuit-breakers.
- **IEC/EN 61009:** apply to residual current operated circuit breakers with integral overcurrent protection for household and similar uses (RCBOs), for rated voltages not exceeding 440 V AC with rated frequencies of 50 Hz, 60 Hz or 50/60 Hz and rated currents not exceeding 125 A and rated short circuit capacities not exceeding 25000 A for operation at 50 Hz or 60 Hz.
- **GOST 9219-88 – Electrical Traction Devices – General Requirements:** Another important standard for the traction railways sector is the “GOST 9219-88 – Electrical Traction Devices - General Requirements”, a local standard for the Russian market. This approval is required for the development of the trains that will travel in Russia. This Standard applies to electrical traction devices designed for operation on rolling stock of rail transport or on trolley buses. It does not applies to electrical traction devices operating in explosive or chemically corrosive environments.

Product name	IEC/EN 60898-1	IEC/EN 60898-2	IEC/EN 60947-2	IEC/EN 61009	GOST 9219-88
S 200 MT	X		X		X
S 200 MT UC		X	X		X
S 200 M UC		X	X		X
S 200 P	X		X		X
S800C	X		X		
S800N	X		X		
S800S	X		X		X
S800S-UC			X		X
DS201 T				X	X
DS203NC				X	

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DIN-Rail components for rolling stock applications

Miniature circuit breakers

Miniature circuit breakers

Selection tables	2/2
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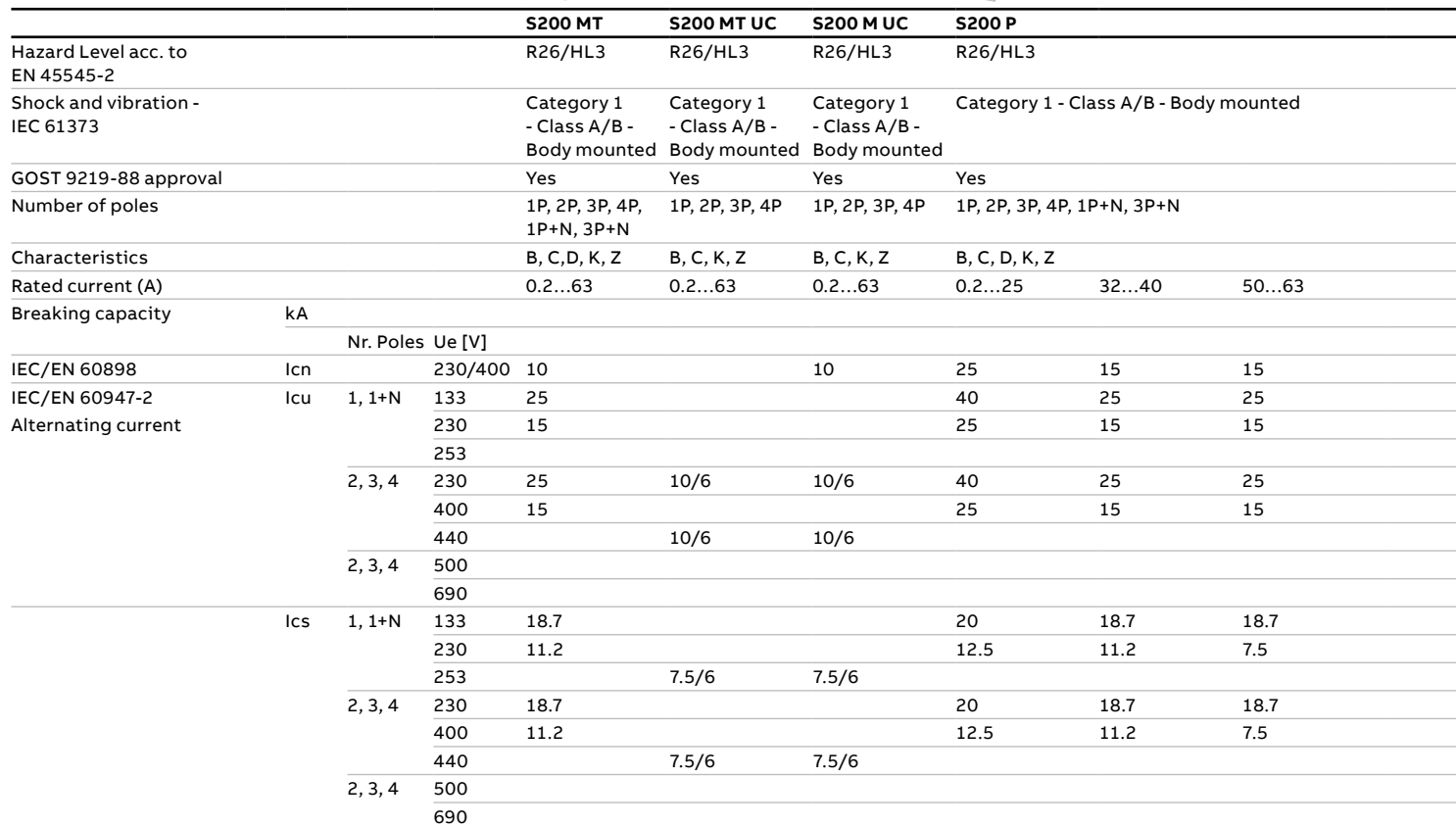
MCBs S 200

S 200 MT series, 10 kA	2/6
S 200 MT UC series, 10 kA	2/24
S 200 M UC series, 10 kA	2/34
S 200 P series, 15/25 kA	2/46
S202TC series, 6 kA	2/64

MCBs S 800

S 800 S series, 50 kA	2/66
S 800 S UC series, 50 kA	2/82
S800N series, 36 kA	2/92
S800C series, 25 kA	2/100

Selection table





S202TC	S800S	S800S UC	S800N	S800C
R26/HL3	R26/HL3	R26/HL3	R26/HL3	R26/HL3
category 1, class B	Category 1 - Class B - Body mounted	Category 1 - Class B - Body mounted	Category 1 - Class B - Body mounted	Category 1 - Class B - Body mounted
No	Yes	Yes		
2P	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P		
B,C	B, C, D, K	UCB, UCK	B, C, D	B, C, D, K
2...32	0.5...125	0.5...125	6...125	10...125
400/415V 6kA	25 (10-80 A)		20	15
	50		36	25
				15
	50		36	25
	50		36	25
				15
	15 (not for all rated currents)		10	
	6 (not for all rated currents)		4.5	
	40		30	18
				10
	40		30	18
	40		30	18
				10
	11 (not for all rated currents)		5	
	4 (not for all rated currents)		3	

Protection against earth faults

Effects of current on the human body



				S200 MT	S200 MT UC	S200 M UC	S200 P
IEC/EN 60947-2 Direct current $T=I/R \leq 5\text{ms}$ for all series	Icu	1, 1+N	24				
			60	10			15
			125				10
			220		10	10	
			250				
		2	48				
			125	10			15
			250				10
			440		10	10	
			500				
			800				
		3, 4	375				
			500				
			750				
			1000				
	Ics	1, 1+N	24				
			60	10			15
			125				10
			220		10	10	
			250				
		2	48				
			125	10			15
			250				10
			440		10	10	
			500				
			800				
		3, 4	375				
			500				
			750				
			1000				



S800S	S800S UC	S800N	S800C
30		20	10
	50		
30		20	10
	50		
30 (3 pole)		20 (3 pole)	10 (3 pole)
30 (4 pole)	50	20 (4 pole)	10 (4 pole)
	50		
	50 (4 pole)		
30		20	10
	50		
30		20	10
	50		
30 (3 pole)	50	20 (3 pole)	10 (3 pole)
30 (4 pole)	50	20 (4 pole)	10 (4 pole)
	50		
	50 (4 pole)		

MCB S 200 MT, S 200 MT UC and S 200 P. The details make the difference

A range designed for rolling stock equipments

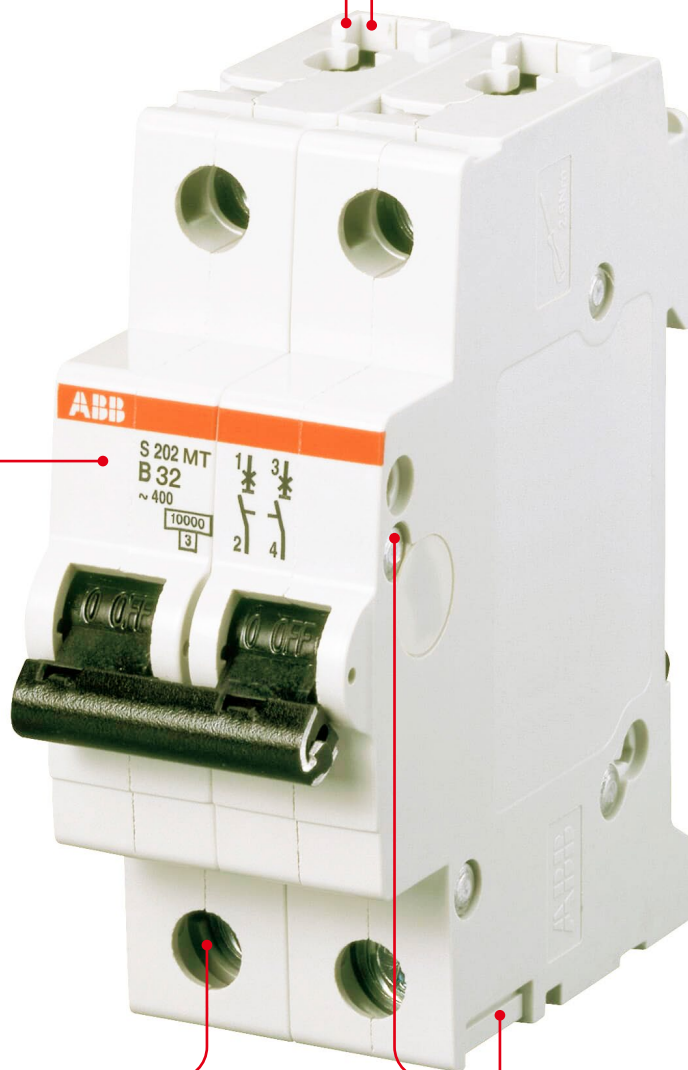
Twin terminal for separate feeding of busbar and conductor.

IP20 - finger safety.

Easy product name, easy identification, easy life.

Captive screws: don't loose what's important for you.

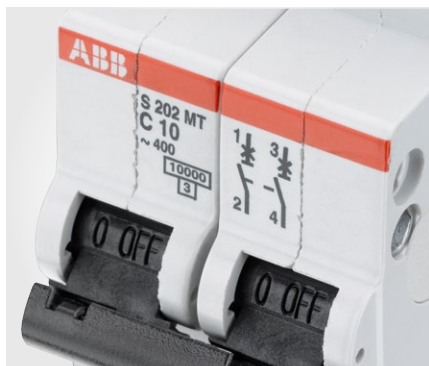
Wide range of accessories are available for rolling stock and rail infrastructure applications





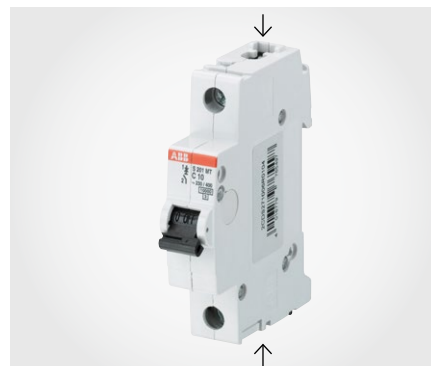
Dedicated materials for rolling stock

In the S200 range of MCBs for traction, specific materials are used that are classified with a hazard level R26/HL3 according to EN 45545-2.



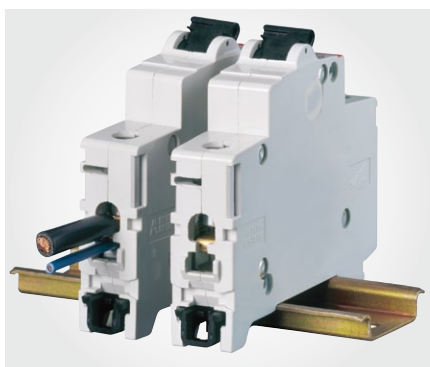
Shock and vibration resistance

Additionally to the high quality standards and the flammability requirements, rail applications have specific demands that have to be fulfilled like resistance to shocks and vibrations. The resistance to vibrations and shocks of MCBs S 200 has been positively tested according to: IEC 61373 Rolling stock equipment – Shock and vibration tests considering Category 1, Class A and Class B.



Open to all sides

All devices can be supplied from top or bottom either with cables or busbars. Can be mounted flexibly in all positions.



High-quality terminal system

The integrated captive terminals and cable connection screws facilitate every electrician's life. ABB guarantees highest safety standards. The certification according to EN 41140 stands for protection against electric shock. And the certification according to the DIN EN 50 274 stands for terminals that are safe from touch by the back of the hand and the finger (IPXXB or IP20). The high safety standards become clear through the integrated and failsafe cable connecting terminals.



Contact position indication

All System pro M compact® MCBs are suited with a contact position indication (CPI) on the toggle. You can easily identify if the MCB is in the ON or the OFF position – easy and safe maintenance work is possible.



Advanced features

Auxiliary switches S2C-H10 (1 NO) and S2C-H01 (1 NC) and all S2C accessories can be retrofitted. They can be mounted individually and without modification of the existing busbar. At the same time, the supply of the MCB remains unaffected.

MCBs

S 200 MT series technical features



S 201 MT

		S200 MT	
Standards	Product Standard	IEC/EN 60898-1, IEC/EN 60947-2	
	Hazard level acc. to EN 45545-2	R26/HL3	
	Resistance to shocks and vibrations acc. to IEC 61373	Category 1 - Class A/B - body mounted	
	GOST 9219-88 approval	Yes	
General data	Poles	1P, 2P, 3P, 4P, 1P+N, 3P+N	
	Tripping characteristics	B, C, D, K, Z	
	Rated current I_n	A	0.5...63 A
	Rated frequency f	Hz	50/60 Hz
	Rated insulation voltage U_i acc. to IEC/EN 60664-1	V	250 V AC (phase to ground), 440 V AC (phase to phase)
	Overvoltage category	III	
	Pollution degree	3	
Data acc. to IEC/EN 60898-1	Rated operational voltage U_n	V	1P: 230/400 V AC; 1P+N: 230 V AC; 2...4P: 400 V AC; 3P+N: 400 V AC
	Max. power frequency recovery voltage (U_{max})	V	1P: 253 V AC; 1P+N: 253 V AC; 2...4P: 440 V AC; 3P+N: 440 V AC 1P: 66 V DC; 2P: 125 V DC
	Min. operating voltage	V	12 V AC - 12 V DC
	Rated short-circuit capacity I_{cn}	kA	10 kA
	Energy limiting class (B, C up to 40 A)	3	
	Rated impulse withstand voltage U_{imp} (1.2/50 μ s)	kV	4 kV (test voltage 6,2 kV at sea level; 5 kV at 2.000 m)
	Dielectric test voltage	kV	2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C	B, C, D: 30 °C
	Electrical endurance	ops.	$I_n < 32A$: 20.000 ops (AC); $I_n \geq 32A$: 10.000 ops. (AC); 1.000 ops (DC) 1 cycle (2s - ON, 13s - OFF, $I_n \leq 32A$), 1 cycle (2s - ON, 28s - OFF, $I_n \geq 32A$)
Data acc. to IEC/EN 60947-2	Rated operational voltage U_e	V	1P: 230 V AC; 1P+N: 230 V AC; 2...4P: 400 V AC; 3P+N: 400 V AC
	Max. power frequency recovery voltage (U_{max})	V	1P: 253 V AC; 1P+N: 253 V AC; 2...4P: 440 V AC; 3P+N: 440 V AC 1P: 66 V DC; 2P: 125 V DC
	Min. operating voltage	V	12 V AC - 12 V DC
	Rated ultimate short-circuit breaking capacity I_{cu}	kA	$\leq 40 A$: 15 kA; 50,63 A: 10 kA
	Rated service short-circuit breaking capacity I_{cs}	kA	$\leq 40 A$: 11.2 kA; 50,63 A: 7.5 kA
	Rated impulse withstand voltage U_{imp} (1.2/50 μ s)	kV	4 kV (test voltage 6.2 kV at sea level; 5 kV at 2,000 m)
	Dielectric test voltage	kV	2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C	B, C, D: 55 °C; K, Z: 20 °C
	Electrical endurance	ops.	$I_n < 32A$: 20.000 ops (AC); $I_n \geq 32A$: 10.000 ops. (AC); 1.000 ops (DC) 1 cycle (2s - ON, 13s - OFF, $I_n \leq 32A$), 1 cycle (2s - ON, 28s - OFF, $I_n \geq 32A$)

S200 MT			
Mechanical data	Housing		Insulation group I, RAL 7035
	Toggle		Insulation group II, black, sealable
	Contact position indicator		Marking on toggle (I ON/ 0 OFF)
	Protection degree acc. to EN 60529		IP20 (also fulfilling the req. acc. to the protection degree IPXXB); IP40 in enclosure with cover
	Mechanical endurance	ops.	20,000 ops
	Shock resistance acc. to IEC/EN 60068-2-27		30g - 3 shocks - 11ms
	Vibration resistance acc. to IEC/EN 60068-2-6		5g - 20 cycles at 5...150...5 Hz with load 0,8 In
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	28 cycles with 55°C/90-96% and 25°C/95-100%
	Ambient temperature (with daily average $\leq +35$ °C)	°C	-25 ... +55°C
	Storage temperature	°C	-40 ... +70°C
Installation	Terminal type		failsafe bi-directional cylinder-lift terminal
	Cross-section of conductors (top/bottom)	mm ²	25 mm ² /25 mm ²
	Cross-section of busbars	mm ²	10 mm ² /10 mm ²
	Tightening torque	Nm	2.8 Nm
	Screwdriver		No. 2 Pozidriv
	Mounting		On DIN-Rail 35mm acc. to EN 60715 by fast clip
	Mounting position		any
Dimensions and weight	Supply		optional
	Mounting dimensions acc. to DIN 43880		Mounting dimension 1
	Pole dimensions (H x D x W)	mm	88 x 69 x 17.5 mm
	Pole weight	g	approx. 125 g
Combina- tion with auxiliary elements	See table page4/4		

MCBs

S 200 series MT, B characteristic



S 201 MT



S 202 MT



S 203 MT

S 200 MT, B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and large length of cables in TN and IT systems.

Standards: IEC/EN 60898-1, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icn=10 kA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
1	In A	EAN				kg	pc.
	6	876216	S201MT-B6	2CDS271006R0065		0.125	10
	10	876223	S201MT-B10	2CDS271006R0105		0.125	10
	13	876230	S201MT-B13	2CDS271006R0135		0.125	10
	16	876247	S201MT-B16	2CDS271006R0165		0.125	10
	20	876254	S201MT-B20	2CDS271006R0205		0.125	10
	25	876261	S201MT-B25	2CDS271006R0255		0.125	10
	32	876278	S201MT-B32	2CDS271006R0325		0.125	10
	40	876285	S201MT-B40	2CDS271006R0405		0.125	10
	50	876292	S201MT-B50	2CDS271006R0505		0.125	10
	63	876308	S201MT-B63	2CDS271006R0635		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
2	In A	EAN				kg	pc.
	6	875134	S202MT-B6	2CDS272006R0065		0.250	5
	10	875141	S202MT-B10	2CDS272006R0105		0.250	5
	13	875158	S202MT-B13	2CDS272006R0135		0.250	5
	16	875165	S202MT-B16	2CDS272006R0165		0.250	5
	20	875172	S202MT-B20	2CDS272006R0205		0.250	5
	25	875189	S202MT-B25	2CDS272006R0255		0.250	5
	32	875196	S202MT-B32	2CDS272006R0325		0.250	5
	40	875202	S202MT-B40	2CDS272006R0405		0.250	5
	50	875219	S202MT-B50	2CDS272006R0505		0.250	5
	63	875226	S202MT-B63	2CDS272006R0635		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3	In A	EAN				kg	pc.
	6	7320500 452318	S203MT-B6	2CDS273006R0065		0.375	1
	10	871631	S203MT-B10	2CDS273006R0105		0.375	1
	13	871648	S203MT-B13	2CDS273006R0135		0.375	1
	16	871655	S203MT-B16	2CDS273006R0165		0.375	1
	20	871662	S203MT-B20	2CDS273006R0205		0.375	1
	25	871679	S203MT-B25	2CDS273006R0255		0.375	1
	32	871686	S203MT-B32	2CDS273006R0325		0.375	1
	40	871693	S203MT-B40	2CDS273006R0405		0.375	1
	50	871709	S203MT-B50	2CDS273006R0505		0.375	1
	63	871716	S203MT-B63	2CDS273006R0635		0.375	1



S 204 MT



S 201 MT NA



S 203 MT NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
4	In A	EAN				kg	pc.
	6	871723	S204MT-B6	2CDS274006R0065		0.500	1
	10	871730	S204MT-B10	2CDS274006R0105		0.500	1
	13	871747	S204MT-B13	2CDS274006R0135		0.500	1
	16	871754	S204MT-B16	2CDS274006R0165		0.500	1
	20	871761	S204MT-B20	2CDS274006R0205		0.500	1
	25	871778	S204MT-B25	2CDS274006R0255		0.500	1
	32	871785	S204MT-B32	2CDS274006R0325		0.500	1
	40	871792	S204MT-B40	2CDS274006R0405		0.500	1
	50	871808	S204MT-B50	2CDS274006R0505		0.500	1
	63	871815	S204MT-B63	2CDS274006R0635		0.500	1

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
1+NA	In A	EAN				kg	pc.
	6	875233	S201MT-B6NA	2CDS271106R0065		0.250	5
	10	875240	S201MT-B10NA	2CDS271106R0105		0.250	5
	13	875257	S201MT-B13NA	2CDS271106R0135		0.250	5
	16	875264	S201MT-B16NA	2CDS271106R0165		0.250	5
	20	875271	S201MT-B20NA	2CDS271106R0205		0.250	5
	25	875288	S201MT-B25NA	2CDS271106R0255		0.250	5
	32	875295	S201MT-B32NA	2CDS271106R0325		0.250	5
	40	875301	S201MT-B40NA	2CDS271106R0405		0.250	5
	50	875318	S201MT-B50NA	2CDS271106R0505		0.250	5
	63	875325	S201MT-B63NA	2CDS271106R0635		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3+NA	In A	EAN				kg	pc.
	6	871822	S203MT-B6NA	2CDS273106R0065		0.500	1
	10	871839	S203MT-B10NA	2CDS273106R0105		0.500	1
	13	871846	S203MT-B13NA	2CDS273106R0135		0.500	1
	16	871853	S203MT-B16NA	2CDS273106R0165		0.500	1
	20	871860	S203MT-B20NA	2CDS273106R0205		0.500	1
	25	871877	S203MT-B25NA	2CDS273106R0255		0.500	1
	32	871884	S203MT-B32NA	2CDS273106R0325		0.500	1
	40	871891	S203MT-B40NA	2CDS273106R0405		0.500	1
	50	871907	S203MT-B50NA	2CDS273106R0505		0.500	1
	63	871914	S203MT-B63NA	2CDS273106R0635		0.580	1

MCBs

S 200 series MT, C characteristic



S 201 MT



S 202 MT

S 200 MT, C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

Standards: IEC/EN 60898-1, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icn=10 kA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	765923	S201MT-C0,5	2CDS271006R0984		0.125	10
	1	765435	S201MT-C1	2CDS271006R0014		0.125	10
	1.6	765916	S201MT-C1,6	2CDS271006R0974		0.125	10
	2	765442	S201MT-C2	2CDS271006R0024		0.125	10
	3	765459	S201MT-C3	2CDS271006R0034		0.125	10
	4	765466	S201MT-C4	2CDS271006R0044		0.125	10
	6	765473	S201MT-C6	2CDS271006R0064		0.125	10
	8	765480	S201MT-C8	2CDS271006R0084		0.125	10
	10	765497	S201MT-C10	2CDS271006R0104		0.125	10
	13	765503	S201MT-C13	2CDS271006R0134		0.125	10
	16	765534	S201MT-C16	2CDS271006R0164		0.125	10
	20	765541	S201MT-C20	2CDS271006R0204		0.125	10
	25	765572	S201MT-C25	2CDS271006R0254		0.125	10
	32	765640	S201MT-C32	2CDS271006R0324		0.125	10
	40	765695	S201MT-C40	2CDS271006R0404		0.125	10
	50	765794	S201MT-C50	2CDS271006R0504		0.125	10
	63	765909	S201MT-C63	2CDS271006R0634		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.5	767880	S202MT-C0,5	2CDS272006R0984		0.250	5
	1	767392	S202MT-C1	2CDS272006R0014		0.250	5
	1.6	767873	S202MT-C1,6	2CDS272006R0974		0.250	5
	2	767408	S202MT-C2	2CDS272006R0024		0.250	5
	3	767415	S202MT-C3	2CDS272006R0034		0.250	5
	4	767422	S202MT-C4	2CDS272006R0044		0.250	5
	6	767439	S202MT-C6	2CDS272006R0064		0.250	5
	8	767446	S202MT-C8	2CDS272006R0084		0.250	5
	10	767453	S202MT-C10	2CDS272006R0104		0.250	5
	13	767460	S202MT-C13	2CDS272006R0134		0.250	5
	16	767491	S202MT-C16	2CDS272006R0164		0.250	5
	20	767507	S202MT-C20	2CDS272006R0204		0.250	5
	25	767538	S202MT-C25	2CDS272006R0254		0.250	5
	32	767606	S202MT-C32	2CDS272006R0324		0.250	5
	40	767651	S202MT-C40	2CDS272006R0404		0.250	5
	50	767750	S202MT-C50	2CDS272006R0504		0.250	5
	63	767866	S202MT-C63	2CDS272006R0634		0.250	5



S 203 MT

2CDC021044S0011



S 204 MT

2CDC021040S0011

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	770422	S203MT-C0,5	2CDS273006R0984		0.375	1
	1	769938	S203MT-C1	2CDS273006R0014		0.375	1
	1.6	770415	S203MT-C1,6	2CDS273006R0974		0.375	1
	2	769945	S203MT-C2	2CDS273006R0024		0.375	1
	3	769952	S203MT-C3	2CDS273006R0034		0.375	1
	4	769969	S203MT-C4	2CDS273006R0044		0.375	1
	6	769976	S203MT-C6	2CDS273006R0064		0.375	1
	8	769983	S203MT-C8	2CDS273006R0084		0.375	1
	10	769990	S203MT-C10	2CDS273006R0104		0.375	1
	13	770002	S203MT-C13	2CDS273006R0134		0.375	1
	16	770033	S203MT-C16	2CDS273006R0164		0.375	1
	20	770040	S203MT-C20	2CDS273006R0204		0.375	1
	25	770071	S203MT-C25	2CDS273006R0254		0.375	1
	32	770149	S203MT-C32	2CDS273006R0324		0.375	1
	40	770194	S203MT-C40	2CDS273006R0404		0.375	1
	50	770293	S203MT-C50	2CDS273006R0504		0.375	1
	63	770408	S203MT-C63	2CDS273006R0634		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	772389	S204MT-C0,5	2CDS274006R0984		0.500	1
	1	771894	S204MT-C1	2CDS274006R0014		0.500	1
	1.6	772372	S204MT-C1,6	2CDS274006R0974		0.500	1
	2	771900	S204MT-C2	2CDS274006R0024		0.500	1
	3	771917	S204MT-C3	2CDS274006R0034		0.500	1
	4	771924	S204MT-C4	2CDS274006R0044		0.500	1
	6	771931	S204MT-C6	2CDS274006R0064		0.500	1
	8	771948	S204MT-C8	2CDS274006R0084		0.500	1
	10	771955	S204MT-C10	2CDS274006R0104		0.500	1
	13	771962	S204MT-C13	2CDS274006R0134		0.500	1
	16	771993	S204MT-C16	2CDS274006R0164		0.500	1
	20	772006	S204MT-C20	2CDS274006R0204		0.500	1
	25	772037	S204MT-C25	2CDS274006R0254		0.500	1
	32	772105	S204MT-C32	2CDS274006R0324		0.500	1
	40	772150	S204MT-C40	2CDS274006R0404		0.500	1
	50	772259	S204MT-C50	2CDS274006R0504		0.500	1
	63	772365	S204MT-C63	2CDS274006R0634		0.500	1

MCBs

S 200 series MT, C characteristic



S 201 MT NA



S 203 MT NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
1+NA	0.5	767385	S201MT-C0,5NA	2CDS271106R0984		0.250	5
	1	766937	S201MT-C1NA	2CDS271106R0014		0.250	5
	1.6	767378	S201MT-C1,6NA	2CDS271106R0974		0.250	5
	2	766944	S201MT-C2NA	2CDS271106R0024		0.250	5
	3	766951	S201MT-C3NA	2CDS271106R0034		0.250	5
	4	766968	S201MT-C4NA	2CDS271106R0044		0.250	5
	6	766975	S201MT-C6NA	2CDS271106R0064		0.250	5
	8	766982	S201MT-C8NA	2CDS271106R0084		0.250	5
	10	766999	S201MT-C10NA	2CDS271106R0104		0.250	5
	13	767002	S201MT-C13NA	2CDS271106R0134		0.250	5
	16	767033	S201MT-C16NA	2CDS271106R0164		0.250	5
	20	767040	S201MT-C20NA	2CDS271106R0204		0.250	5
	25	767071	S201MT-C25NA	2CDS271106R0254		0.250	5
	32	767149	S201MT-C32NA	2CDS271106R0324		0.250	5
	40	767194	S201MT-C40NA	2CDS271106R0404		0.250	5
	50	769891	S201MT-C50NA	2CDS271106R0504		0.250	5
	63	769921	S201MT-C63NA	2CDS271106R0634		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3+NA	0.5	771887	S203MT-C0,5NA	2CDS273106R0984		0.500	1
	1	771436	S203MT-C1NA	2CDS273106R0014		0.500	1
	1.6	771870	S203MT-C1,6NA	2CDS273106R0974		0.500	1
	2	771443	S203MT-C2NA	2CDS273106R0024		0.500	1
	3	771450	S203MT-C3NA	2CDS273106R0034		0.500	1
	4	771467	S203MT-C4NA	2CDS273106R0044		0.500	1
	6	771474	S203MT-C6NA	2CDS273106R0064		0.500	1
	8	771481	S203MT-C8NA	2CDS273106R0084		0.500	1
	10	771498	S203MT-C10NA	2CDS273106R0104		0.500	1
	13	771504	S203MT-C13NA	2CDS273106R0134		0.500	1
	16	771535	S203MT-C16NA	2CDS273106R0164		0.500	1
	20	771542	S203MT-C20NA	2CDS273106R0204		0.500	1
	25	771573	S203MT-C25NA	2CDS273106R0254		0.500	1
	32	771641	S203MT-C32NA	2CDS273106R0324		0.500	1
	40	771696	S203MT-C40NA	2CDS273106R0404		0.500	1
	50	774390	S203MT-C50NA	2CDS273106R0504		0.580	1
	63	774420	S203MT-C63NA	2CDS273106R0634		0.580	1

MCBs

S 200 series MT, D characteristic



S 201 MT



S 202 MT

S 200 MT-D characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

Standards: IEC/EN 60898-1, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icn=10 kA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	876315	S201MT-D0,5	2CDS271006R0981		0.125	10
	1	876322	S201MT-D1	2CDS271006R0011		0.125	10
	1.6	876339	S201MT-D1,6	2CDS271006R0971		0.125	10
	2	876346	S201MT-D2	2CDS271006R0021		0.125	10
	3	876353	S201MT-D3	2CDS271006R0031		0.125	10
	4	876360	S201MT-D4	2CDS271006R0041		0.125	10
	6	876377	S201MT-D6	2CDS271006R0061		0.125	10
	8	876384	S201MT-D8	2CDS271006R0081		0.125	10
	10	876391	S201MT-D10	2CDS271006R0101		0.125	10
	13	876407	S201MT-D13	2CDS271006R0131		0.125	10
	16	876414	S201MT-D16	2CDS271006R0161		0.125	10
	20	876421	S201MT-D20	2CDS271006R0201		0.125	10
	25	876438	S201MT-D25	2CDS271006R0251		0.125	10
	32	876445	S201MT-D32	2CDS271006R0321		0.125	10
	40	876452	S201MT-D40	2CDS271006R0401		0.125	10
	50	876469	S201MT-D50	2CDS271006R0501		0.125	10
	63	876476	S201MT-D63	2CDS271006R0631		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.5	875332	S202MT-D0,5	2CDS272006R0981		0.250	5
	1	875349	S202MT-D1	2CDS272006R0011		0.250	5
	1.6	875356	S202MT-D1,6	2CDS272006R0971		0.250	5
	2	875363	S202MT-D2	2CDS272006R0021		0.250	5
	3	875370	S202MT-D3	2CDS272006R0031		0.250	5
	4	875387	S202MT-D4	2CDS272006R0041		0.250	5
	6	875394	S202MT-D6	2CDS272006R0061		0.250	5
	8	875400	S202MT-D8	2CDS272006R0081		0.250	5
	10	875417	S202MT-D10	2CDS272006R0101		0.250	5
	13	875424	S202MT-D13	2CDS272006R0131		0.250	5
	16	875431	S202MT-D16	2CDS272006R0161		0.250	5
	20	875448	S202MT-D20	2CDS272006R0201		0.250	5
	25	875455	S202MT-D25	2CDS272006R0251		0.250	5
	32	875462	S202MT-D32	2CDS272006R0321		0.250	5
	40	875479	S202MT-D40	2CDS272006R0401		0.250	5
	50	875486	S202MT-D50	2CDS272006R0501		0.250	5
	63	875493	S202MT-D63	2CDS272006R0631		0.250	5

MCBs

S 200 series MT, D characteristic



S 203 MT



S 204 MT

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3	In A	EAN				kg	pc.
	0.5	871921	S203MT-D0,5	2CDS273006R0981		0.375	1
	1	871938	S203MT-D1	2CDS273006R0011		0.375	1
	1.6	871945	S203MT-D1,6	2CDS273006R0971		0.375	1
	2	871952	S203MT-D2	2CDS273006R0021		0.375	1
	3	871969	S203MT-D3	2CDS273006R0031		0.375	1
	4	871976	S203MT-D4	2CDS273006R0041		0.375	1
	6	871983	S203MT-D6	2CDS273006R0061		0.375	1
	8	871990	S203MT-D8	2CDS273006R0081		0.375	1
	10	872003	S203MT-D10	2CDS273006R0101		0.375	1
	13	872010	S203MT-D13	2CDS273006R0131		0.375	1
	16	872027	S203MT-D16	2CDS273006R0161		0.375	1
	20	872034	S203MT-D20	2CDS273006R0201		0.375	1
	25	872041	S203MT-D25	2CDS273006R0251		0.375	1
	32	872058	S203MT-D32	2CDS273006R0321		0.375	1
	40	872065	S203MT-D40	2CDS273006R0401		0.375	1
	50	872072	S203MT-D50	2CDS273006R0501		0.375	1
	63	872089	S203MT-D63	2CDS273006R0631		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
4	In A	EAN				kg	pc.
	0.5	872096	S204MT-D0,5	2CDS274006R0981		0.500	1
	1	872102	S204MT-D1	2CDS274006R0011		0.500	1
	1.6	872119	S204MT-D1,6	2CDS274006R0971		0.500	1
	2	872126	S204MT-D2	2CDS274006R0021		0.500	1
	3	872133	S204MT-D3	2CDS274006R0031		0.500	1
	4	872140	S204MT-D4	2CDS274006R0041		0.500	1
	6	872157	S204MT-D6	2CDS274006R0061		0.500	1
	8	872164	S204MT-D8	2CDS274006R0081		0.500	1
	10	872171	S204MT-D10	2CDS274006R0101		0.500	1
	13	872188	S204MT-D13	2CDS274006R0131		0.500	1
	16	872195	S204MT-D16	2CDS274006R0161		0.500	1
	20	872201	S204MT-D20	2CDS274006R0201		0.500	1
	25	872218	S204MT-D25	2CDS274006R0251		0.500	1
	32	872225	S204MT-D32	2CDS274006R0321		0.500	1
	40	872232	S204MT-D40	2CDS274006R0401		0.500	1
	50	872249	S204MT-D50	2CDS274006R0501		0.500	1
	63	872256	S204MT-D63	2CDS274006R0631		0.500	1



S 201 MT NA



S 203 MT NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1+NA	0.5	875509	S201MT-D0,5NA	2CDS271106R0981		0.250	5
	1	875516	S201MT-D1NA	2CDS271106R0011		0.250	5
	1.6	875523	S201MT-D1,6NA	2CDS271106R0971		0.250	5
	2	875530	S201MT-D2NA	2CDS271106R0021		0.250	5
	3	875547	S201MT-D3NA	2CDS271106R0031		0.250	5
	4	875554	S201MT-D4NA	2CDS271106R0041		0.250	5
	6	875561	S201MT-D6NA	2CDS271106R0061		0.250	5
	8	875578	S201MT-D8NA	2CDS271106R0081		0.250	5
	10	875585	S201MT-D10NA	2CDS271106R0101		0.250	5
	13	875592	S201MT-D13NA	2CDS271106R0131		0.250	5
	16	875608	S201MT-D16NA	2CDS271106R0161		0.250	5
	20	875615	S201MT-D20NA	2CDS271106R0201		0.250	5
	25	875622	S201MT-D25NA	2CDS271106R0251		0.250	5
	32	875639	S201MT-D32NA	2CDS271106R0321		0.250	5
	40	875646	S201MT-D40NA	2CDS271106R0401		0.250	5
	50	875653	S201MT-D50NA	2CDS271106R0501		0.290	5
	63	875660	S201MT-D63NA	2CDS271106R0631		0.290	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3+NA	0.5	872263	S203MT-D0,5NA	2CDS273106R0981		0.500	1
	1	872270	S203MT-D1NA	2CDS273106R0011		0.500	1
	1.6	872287	S203MT-D1,6NA	2CDS273106R0971		0.500	1
	2	872294	S203MT-D2NA	2CDS273106R0021		0.500	1
	3	872300	S203MT-D3NA	2CDS273106R0031		0.500	1
	4	872317	S203MT-D4NA	2CDS273106R0041		0.500	1
	6	872324	S203MT-D6NA	2CDS273106R0061		0.500	1
	8	872331	S203MT-D8NA	2CDS273106R0081		0.500	1
	10	872348	S203MT-D10NA	2CDS273106R0101		0.500	1
	13	872355	S203MT-D13NA	2CDS273106R0131		0.500	1
	16	872362	S203MT-D16NA	2CDS273106R0161		0.500	1
	20	872379	S203MT-D20NA	2CDS273106R0201		0.500	1
	25	872386	S203MT-D25NA	2CDS273106R0251		0.500	1
	32	872393	S203MT-D32NA	2CDS273106R0321		0.500	1
	40	872409	S203MT-D40NA	2CDS273106R0401		0.500	1
	50	872416	S203MT-D50NA	2CDS273106R0501		0.580	1
	63	872423	S203MT-D63NA	2CDS273106R0631		0.580	1

MCBs

S 200 series MT, K characteristic



S 201 MT



S 202 MT

S 200 MT, K (power) characteristic

Function: protection and control of the circuits like motors, transformer and auxiliary circuits, against overloads and short-circuits.

Advantages: no nuisance tripping in the case of functional peak currents up to $10 \times I_n$, depending on the series; through its highly sensitive thermostatic bimetal trip, the K-type characteristic offers protection to damageable elements in the overcurrent range; it also provides the best protection to cables and lines.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icu=15 kA for $0.5 \text{ A} \leq I_n \leq 40 \text{ A}$

Icu=10 kA for $50 \text{ A} \leq I_n \leq 63 \text{ A}$

Number of poles	Rated current In A	Bbn 4016779 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
			Type code	Order code			
1	0.5	765510	S201MT-K0,5	2CDS271006R0157		0.125	10
	1	765558	S201MT-K1	2CDS271006R0217		0.125	10
	1.6	765589	S201MT-K1,6	2CDS271006R0257		0.125	10
	2	765602	S201MT-K2	2CDS271006R0277		0.125	10
	3	765626	S201MT-K3	2CDS271006R0317		0.125	10
	4	765657	S201MT-K4	2CDS271006R0337		0.125	10
	6	765671	S201MT-K6	2CDS271006R0377		0.125	10
	8	765701	S201MT-K8	2CDS271006R0407		0.125	10
	10	765725	S201MT-K10	2CDS271006R0427		0.125	10
	13	765749	S201MT-K13	2CDS271006R0447		0.125	10
	16	765756	S201MT-K16	2CDS271006R0467		0.125	10
	20	765770	S201MT-K20	2CDS271006R0487		0.125	10
	25	765800	S201MT-K25	2CDS271006R0517		0.125	10
	32	765824	S201MT-K32	2CDS271006R0537		0.125	10
	40	765848	S201MT-K40	2CDS271006R0557		0.125	10
	50	765862	S201MT-K50	2CDS271006R0577		0.125	10
	63	765886	S201MT-K63	2CDS271006R0607		0.125	10

Number of poles	Rated current In A	Bbn 4016779 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
			Type code	Order code			
2	0.5	767477	S202MT-K0,5	2CDS272006R0157		0.250	5
	1	767514	S202MT-K1	2CDS272006R0217		0.250	5
	1.6	767545	S202MT-K1,6	2CDS272006R0257		0.250	5
	2	767569	S202MT-K2	2CDS272006R0277		0.250	5
	3	767583	S202MT-K3	2CDS272006R0317		0.250	5
	4	767613	S202MT-K4	2CDS272006R0337		0.250	5
	6	767637	S202MT-K6	2CDS272006R0377		0.250	5
	8	767668	S202MT-K8	2CDS272006R0407		0.250	5
	10	767682	S202MT-K10	2CDS272006R0427		0.250	5
	13	767705	S202MT-K13	2CDS272006R0447		0.250	5
	16	767712	S202MT-K16	2CDS272006R0467		0.250	5
	20	767736	S202MT-K20	2CDS272006R0487		0.250	5
	25	767767	S202MT-K25	2CDS272006R0517		0.250	5
	32	767781	S202MT-K32	2CDS272006R0537		0.250	5
	40	767804	S202MT-K40	2CDS272006R0557		0.250	5
	50	767828	S202MT-K50	2CDS272006R0577		0.250	5
	63	767842	S202MT-K63	2CDS272006R0607		0.250	5



S 203 MT



S 204 MT

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	770019	S203MT-K0,5	2CDS273006R0157		0.375	1
	1	770057	S203MT-K1	2CDS273006R0217		0.375	1
	1.6	770088	S203MT-K1,6	2CDS273006R0257		0.375	1
	2	770101	S203MT-K2	2CDS273006R0277		0.375	1
	3	770125	S203MT-K3	2CDS273006R0317		0.375	1
	4	770156	S203MT-K4	2CDS273006R0337		0.375	1
	6	770170	S203MT-K6	2CDS273006R0377		0.375	1
	8	770200	S203MT-K8	2CDS273006R0407		0.375	1
	10	770224	S203MT-K10	2CDS273006R0427		0.375	1
	13	770248	S203MT-K13	2CDS273006R0447		0.375	1
	16	770255	S203MT-K16	2CDS273006R0467		0.375	1
	20	770279	S203MT-K20	2CDS273006R0487		0.375	1
	25	770309	S203MT-K25	2CDS273006R0517		0.375	1
	32	770323	S203MT-K32	2CDS273006R0537		0.375	1
	40	770347	S203MT-K40	2CDS273006R0557		0.375	1
	50	770361	S203MT-K50	2CDS273006R0577		0.375	1
	63	770385	S203MT-K63	2CDS273006R0607		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	771979	S204MT-K0,5	2CDS274006R0157		0.500	1
	1	772013	S204MT-K1	2CDS274006R0217		0.500	1
	1.6	772044	S204MT-K1,6	2CDS274006R0257		0.500	1
	2	772068	S204MT-K2	2CDS274006R0277		0.500	1
	3	772082	S204MT-K3	2CDS274006R0317		0.500	1
	4	772112	S204MT-K4	2CDS274006R0337		0.500	1
	6	772136	S204MT-K6	2CDS274006R0377		0.500	1
	8	772167	S204MT-K8	2CDS274006R0407		0.500	1
	10	772181	S204MT-K10	2CDS274006R0427		0.500	1
	13	772204	S204MT-K13	2CDS274006R0447		0.500	1
	16	772211	S204MT-K16	2CDS274006R0467		0.500	1
	20	772235	S204MT-K20	2CDS274006R0487		0.500	1
	25	772266	S204MT-K25	2CDS274006R0517		0.500	1
	32	772280	S204MT-K32	2CDS274006R0537		0.500	1
	40	772303	S204MT-K40	2CDS274006R0557		0.500	1
	50	772327	S204MT-K50	2CDS274006R0577		0.500	1
	63	772341	S204MT-K63	2CDS274006R0607		0.500	1

MCBs

S 200 series MT, K characteristic



S 201 MT NA



S 203 MT NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1+NA	0.5	767019	S201MT-K0,5NA	2CDS271106R0157		0.250	5
	1	767057	S201MT-K1NA	2CDS271106R0217		0.250	5
	1.6	767088	S201MT-K1,6NA	2CDS271106R0257		0.250	5
	2	767101	S201MT-K2NA	2CDS271106R0277		0.250	5
	3	767125	S201MT-K3NA	2CDS271106R0317		0.250	5
	4	767156	S201MT-K4NA	2CDS271106R0337		0.250	5
	6	767170	S201MT-K6NA	2CDS271106R0377		0.250	5
	8	767200	S201MT-K8NA	2CDS271106R0407		0.250	5
	10	767224	S201MT-K10NA	2CDS271106R0427		0.250	5
	13	767248	S201MT-K13NA	2CDS271106R0447		0.250	5
	16	767255	S201MT-K16NA	2CDS271106R0467		0.250	5
	20	767279	S201MT-K20NA	2CDS271106R0487		0.250	5
	25	767293	S201MT-K25NA	2CDS271106R0517		0.250	5
	32	767316	S201MT-K32NA	2CDS271106R0537		0.250	5
	40	767330	S201MT-K40NA	2CDS271106R0557		0.250	5
	50	769907	S201MT-K50NA	2CDS271106R0577		0.250	5
	63	769914	S201MT-K63NA	2CDS271106R0607		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3+NA	0.5	771511	S203MT-K0,5NA	2CDS273106R0157		0.500	1
	1	771559	S203MT-K1NA	2CDS273106R0217		0.500	1
	1.6	771580	S203MT-K1,6NA	2CDS273106R0257		0.500	1
	2	771603	S203MT-K2NA	2CDS273106R0277		0.500	1
	3	771627	S203MT-K3NA	2CDS273106R0317		0.500	1
	4	771658	S203MT-K4NA	2CDS273106R0337		0.500	1
	6	771672	S203MT-K6NA	2CDS273106R0377		0.500	1
	8	771702	S203MT-K8NA	2CDS273106R0407		0.500	1
	10	771726	S203MT-K10NA	2CDS273106R0427		0.500	1
	13	771740	S203MT-K13NA	2CDS273106R0447		0.500	1
	16	771757	S203MT-K16NA	2CDS273106R0467		0.500	1
	20	771771	S203MT-K20NA	2CDS273106R0487		0.500	1
	25	771795	S203MT-K25NA	2CDS273106R0517		0.500	1
	32	771818	S203MT-K32NA	2CDS273106R0537		0.500	1
	40	771832	S203MT-K40NA	2CDS273106R0557		0.500	1
	50	774406	S203MT-K50NA	2CDS273106R0577		0.500	1
	63	774413	S203MT-K63NA	2CDS273106R0607		0.500	1

MCBs

S 200 series MT, Z characteristic



S 201 MT



S 202 MT

S 200 MT, Z characteristic

Function: protection and control of the electronic circuits against lower and long duration overloads and short-circuits.

Standards: IEC/EN 60947-2, VDE 0660 Part 101

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icu=10 kA (acc. to VDE 0660 Part 101)

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1	0.5	765527	S201MT-Z0,5	2CDS271006R0158		0.125	10
	1	765565	S201MT-Z1	2CDS271006R0218		0.125	10
	1.6	765596	S201MT-Z1,6	2CDS271006R0258		0.125	10
	2	765619	S201MT-Z2	2CDS271006R0278		0.125	10
	3	765633	S201MT-Z3	2CDS271006R0318		0.125	10
	4	765664	S201MT-Z4	2CDS271006R0338		0.125	10
	6	765688	S201MT-Z6	2CDS271006R0378		0.125	10
	8	765718	S201MT-Z8	2CDS271006R0408		0.125	10
	10	765732	S201MT-Z10	2CDS271006R0428		0.125	10
	16	765763	S201MT-Z16	2CDS271006R0468		0.125	10
	20	765787	S201MT-Z20	2CDS271006R0488		0.125	10
	25	765817	S201MT-Z25	2CDS271006R0518		0.125	10
	32	765831	S201MT-Z32	2CDS271006R0538		0.125	10
	40	765855	S201MT-Z40	2CDS271006R0558		0.125	10
	50	765879	S201MT-Z50	2CDS271006R0578		0.125	10
	63	765893	S201MT-Z63	2CDS271006R0608		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
2	0.5	767484	S202MT-Z0,5	2CDS272006R0158		0.250	5
	1	767521	S202MT-Z1	2CDS272006R0218		0.250	5
	1.6	767552	S202MT-Z1,6	2CDS272006R0258		0.250	5
	2	767576	S202MT-Z2	2CDS272006R0278		0.250	5
	3	767590	S202MT-Z3	2CDS272006R0318		0.250	5
	4	767620	S202MT-Z4	2CDS272006R0338		0.250	5
	6	767644	S202MT-Z6	2CDS272006R0378		0.250	5
	8	767675	S202MT-Z8	2CDS272006R0408		0.250	5
	10	767699	S202MT-Z10	2CDS272006R0428		0.250	5
	16	767729	S202MT-Z16	2CDS272006R0468		0.250	5
	20	767743	S202MT-Z20	2CDS272006R0488		0.250	5
	25	767774	S202MT-Z25	2CDS272006R0518		0.250	5
	32	767798	S202MT-Z32	2CDS272006R0538		0.250	5
	40	767811	S202MT-Z40	2CDS272006R0558		0.250	5
	50	767835	S202MT-Z50	2CDS272006R0578		0.250	5
	63	767859	S202MT-Z63	2CDS272006R0608		0.250	5

MCBs

S 200 series MT, Z characteristic



S 203 MT



S 204 MT

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	770026	S203MT-Z0,5	2CDS273006R0158		0.375	1
	1	770064	S203MT-Z1	2CDS273006R0218		0.375	1
	1.6	770095	S203MT-Z1,6	2CDS273006R0258		0.375	1
	2	770118	S203MT-Z2	2CDS273006R0278		0.375	1
	3	770132	S203MT-Z3	2CDS273006R0318		0.375	1
	4	770163	S203MT-Z4	2CDS273006R0338		0.375	1
	6	770187	S203MT-Z6	2CDS273006R0378		0.375	1
	8	770217	S203MT-Z8	2CDS273006R0408		0.375	1
	10	770231	S203MT-Z10	2CDS273006R0428		0.375	1
	16	770262	S203MT-Z16	2CDS273006R0468		0.375	1
	20	770286	S203MT-Z20	2CDS273006R0488		0.375	1
	25	770316	S203MT-Z25	2CDS273006R0518		0.375	1
	32	770330	S203MT-Z32	2CDS273006R0538		0.375	1
	40	770354	S203MT-Z40	2CDS273006R0558		0.375	1
	50	770378	S203MT-Z50	2CDS273006R0578		0.375	1
	63	770392	S203MT-Z63	2CDS273006R0608		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	771986	S204MT-Z0,5	2CDS274006R0158		0.500	1
	1	772020	S204MT-Z1	2CDS274006R0218		0.500	1
	1.6	772051	S204MT-Z1,6	2CDS274006R0258		0.500	1
	2	772075	S204MT-Z2	2CDS274006R0278		0.500	1
	3	772099	S204MT-Z3	2CDS274006R0318		0.500	1
	4	772129	S204MT-Z4	2CDS274006R0338		0.500	1
	6	772143	S204MT-Z6	2CDS274006R0378		0.500	1
	8	772174	S204MT-Z8	2CDS274006R0408		0.500	1
	10	772198	S204MT-Z10	2CDS274006R0428		0.500	1
	16	772228	S204MT-Z16	2CDS274006R0468		0.500	1
	20	772242	S204MT-Z20	2CDS274006R0488		0.500	1
	25	772273	S204MT-Z25	2CDS274006R0518		0.500	1
	32	772297	S204MT-Z32	2CDS274006R0538		0.500	1
	40	772310	S204MT-Z40	2CDS274006R0558		0.500	1
	50	772334	S204MT-Z50	2CDS274006R0578		0.500	1
	63	772358	S204MT-Z63	2CDS274006R0608		0.500	1



S 201 MT NA



S 203 MT NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1+NA	0.5	767026	S201MT-Z0,5NA	2CDS271106R0158		0.260	5
	1	767064	S201MT-Z1NA	2CDS271106R0218		0.260	5
	1.6	767095	S201MT-Z1,6NA	2CDS271106R0258		0.260	5
	2	767118	S201MT-Z2NA	2CDS271106R0278		0.260	5
	3	767132	S201MT-Z3NA	2CDS271106R0318		0.260	5
	4	767163	S201MT-Z4NA	2CDS271106R0338		0.260	5
	6	767187	S201MT-Z6NA	2CDS271106R0378		0.260	5
	8	767217	S201MT-Z8NA	2CDS271106R0408		0.260	5
	10	767231	S201MT-Z10NA	2CDS271106R0428		0.260	5
	16	767262	S201MT-Z16NA	2CDS271106R0468		0.260	5
	20	767286	S201MT-Z20NA	2CDS271106R0488		0.260	5
	25	767309	S201MT-Z25NA	2CDS271106R0518		0.260	5
	32	767323	S201MT-Z32NA	2CDS271106R0538		0.260	5
	40	767347	S201MT-Z40NA	2CDS271106R0558		0.260	5
	50	767354	S201MT-Z50NA	2CDS271106R0578		0.320	5
	63	767361	S201MT-Z63NA	2CDS271106R0608		0.320	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3+NA	0.5	771528	S203MT-Z0,5NA	2CDS273106R0158		0.520	1
	1	771566	S203MT-Z1NA	2CDS273106R0218		0.520	1
	1.6	771597	S203MT-Z1,6NA	2CDS273106R0258		0.520	1
	2	771610	S203MT-Z2NA	2CDS273106R0278		0.520	1
	3	771634	S203MT-Z3NA	2CDS273106R0318		0.520	1
	4	771665	S203MT-Z4NA	2CDS273106R0338		0.520	1
	6	771689	S203MT-Z6NA	2CDS273106R0378		0.520	1
	8	771719	S203MT-Z8NA	2CDS273106R0408		0.520	1
	10	771733	S203MT-Z10NA	2CDS273106R0428		0.520	1
	16	771764	S203MT-Z16NA	2CDS273106R0468		0.520	1
	20	771788	S203MT-Z20NA	2CDS273106R0488		0.520	1
	25	771801	S203MT-Z25NA	2CDS273106R0518		0.520	1
	32	771825	S203MT-Z32NA	2CDS273106R0538		0.520	1
	40	771849	S203MT-Z40NA	2CDS273106R0558		0.520	1
	50	771856	S203MT-Z50NA	2CDS273106R0578		0.640	1
	63	771863	S203MT-Z63NA	2CDS273106R0608		0.640	1

MCBs

S 200 MT UC series technical features



S 201 MT UC

S200 MT UC		
Standards	Product Standard	IEC/EN 60947-2
	Hazard level acc. to EN 45545-2	R26/HL3
	Resistance to shocks and vibrations acc. to IEC 61373	Category 1 - Class A/B - Body mounted
	GOST 9219-88 approval	Yes
General data	Poles	1P, 2P, 3P, 4P
	Tripping characteristics	B, C, K, Z
	Rated current I_n	A 0.2 - 63 A
	Rated frequency f	Hz 0/50/60 Hz
	Rated insulation voltage U_i acc. to IEC/EN 60664-1	V 253 V AC (phase to ground), 440 V AC (phase to phase)
	Overvoltage category	III
	Pollution degree	2
Data acc. to IEC/EN 60947-2	Rated operational voltage U_e	V 1P: 253 V AC, 220 V DC 2...4P: 440 V AC, 440 V DC
	Max. power frequency recovery voltage (U_{max})	V 1P: 266 V AC, 250 V DC 2...4P: 462 V AC, 500 V DC
	Min. operating voltage	V 12 V AC – 12 V DC
	Rated ultimate short-circuit breaking capacity I_{cu}	kA ≤ 40 A: 10 kA (AC); 10 kA (DC) >40 A: 6 kA (AC); 10 kA (DC)
	Rated service short-circuit breaking capacity I_{cs}	kA ≤ 40 A: 7.5 kA (AC); 10 kA (DC) >40 A: 6 kA (AC); 10 kA (DC)
	Rated impulse withstand voltage U_{imp} (1.2/50 μ s)	kV 4 kV (test voltage 6.2 kV at sea level; 5 kV at 2,000 m)
	Dielectric test voltage	kV 2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C B, C: 55 °C; K, Z: 20 °C
	Electrical endurance	ops. $I_n < 32$ A: 20,000 ops. (AC), $I_n \geq 32$ A: 10,000 ops. (AC); 1,500 ops. (DC)

S200 MT UC			
Mechanical data	Housing		Insulation group I, RAL 7035
	Toggle		Insulation group II, black, sealable
	Contact position indicator		Real CPI (green OFF / red ON)
	Protection degree acc. to EN 60529		IP20, IP40 in enclosure with cover
	Mechanical endurance	ops.	20,000 ops.
	Shock resistance acc. to IEC/EN 60068-2-27		25 g - 2 shocks - 13 ms
	Vibration resistance acc. to IEC/EN 60068-2-6		5 g - 20 cycles at 5 ... 150 ... 5 Hz at 0.8 In
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	28 cycles with 55 °C/90-96 % and 25 °C/95-100 %
	Ambient temperature (with daily average ≤ +35 °C)	°C	-25 ... +55 °C
	Storage temperature	°C	-40 ... +70 °C
Installation	Terminal type		Failsafe bi-directional cylinder-lift terminal
	Cross-section of conductors (top/bottom)	solid/ stranded	mm ² 35 mm ² / 35 mm ²
		flexible	mm ² 25 mm ² / 25 mm ²
			AWG 14 – 4 AWG (Cu only)
	Cross-section of busbars		mm ² 10 mm ² / 10 mm ²
			AWG 14 – 8 AWG
	Tightening torque	IEC	Nm 2.8 Nm
		UL	in-lbs. 18 in-lbs.
	Screwdriver		No. 2 Pozidriv
	Mounting		on DIN-Rail 35 mm, acc. to EN 60715 by fast clip
Dimensions and weight	Mounting position		any
	Supply		Please note polarity of device
	Mounting dimensions acc. to DIN 43880		1
	Pole dimensions (H x D x W)	mm	85 x 69 x 17.5 mm
Combination with auxiliary elements	Pole weight		g approx. 125 g
	See table page 4/4		

MCBs

S 200 series MT UC, B characteristic

Universal current range



S 201 MT UC



S 202 MT UC



S 203 MT UC



S 204 MT UC

S 200 MT UC, B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current In A	Bbn 401361 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
			Type code	Order code			
1	6	4464911	S201MT-B6UC	2CDS271065R0065		0.125	10
	10	4464928	S201MT-B10UC	2CDS271065R0105		0.125	10
	13	4464935	S201MT-B13UC	2CDS271065R0135		0.125	10
	16	4464942	S201MT-B16UC	2CDS271065R0165		0.125	10
	20	4464959	S201MT-B20UC	2CDS271065R0205		0.125	10
	25	4464966	S201MT-B25UC	2CDS271065R0255		0.125	10
	32	4464973	S201MT-B32UC	2CDS271065R0325		0.125	10
	40	4464980	S201MT-B40UC	2CDS271065R0405		0.125	10
	50	4464997	S201MT-B50UC	2CDS271065R0505		0.125	10
2	63	4465000	S201MT-B63UC	2CDS271065R0635		0.125	10
	6	4465215	S202MT-B6UC	2CDS272065R0065		0.250	5
	10	4465222	S202MT-B10UC	2CDS272065R0105		0.250	5
	13	4465239	S202MT-B13UC	2CDS272065R0135		0.250	5
	16	4465246	S202MT-B16UC	2CDS272065R0165		0.250	5
	20	4465253	S202MT-B20UC	2CDS272065R0205		0.250	5
	25	4465260	S202MT-B25UC	2CDS272065R0255		0.250	5
	32	4465277	S202MT-B32UC	2CDS272065R0325		0.250	5
	40	4465284	S202MT-B40UC	2CDS272065R0405		0.250	5
3	50	4465291	S202MT-B50UC	2CDS272065R0505		0.250	5
	63	4465307	S202MT-B63UC	2CDS272065R0635		0.250	5
	6	4465512	S203MT-B6UC	2CDS273065R0065		0.375	1
	10	4465529	S203MT-B10UC	2CDS273065R0105		0.375	1
	13	4465536	S203MT-B13UC	2CDS273065R0135		0.375	1
	16	4465543	S203MT-B16UC	2CDS273065R0165		0.375	1
	20	4465550	S203MT-B20UC	2CDS273065R0205		0.375	1
	25	4465567	S203MT-B25UC	2CDS273065R0255		0.375	1
	32	4465574	S203MT-B32UC	2CDS273065R0325		0.375	1
4	40	4465581	S203MT-B40UC	2CDS273065R0405		0.375	1
	50	4465598	S203MT-B50UC	2CDS273065R0505		0.375	1
	63	4465604	S203MT-B63UC	2CDS273065R0635		0.375	1
	6	4465819	S204MT-B6UC	2CDS274065R0065		0.500	1
	10	4465826	S204MT-B10UC	2CDS274065R0105		0.500	1
	13	4465833	S204MT-B13UC	2CDS274065R0135		0.500	1
	16	4465840	S204MT-B16UC	2CDS274065R0165		0.500	1
	20	4465857	S204MT-B20UC	2CDS274065R0205		0.500	1
	25	4465864	S204MT-B25UC	2CDS274065R0255		0.500	1
	32	4465871	S204MT-B32UC	2CDS274065R0325		0.500	1
	40	4465888	S204MT-B40UC	2CDS274065R0405		0.500	1
	50	4465895	S204MT-B50UC	2CDS274065R0505		0.500	1
	63	4465901	S204MT-B63UC	2CDS274065R0635		0.500	1

MCBs

S 200 series MT UC, C characteristic

Universal current range



S 201 MT UC



S 202 MT UC

S 200 MT UC, C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373)

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	4448843	S201MT-C0,5UC	2CDS271065R0984		0.125	10
	1	4448218	S201MT-C1UC	2CDS271065R0014		0.125	10
	1.6	4448836	S201MT-C1,6UC	2CDS271065R0974		0.125	10
	2	4448225	S201MT-C2UC	2CDS271065R0024		0.125	10
	3	4448232	S201MT-C3UC	2CDS271065R0034		0.125	10
	4	4448249	S201MT-C4UC	2CDS271065R0044		0.125	10
	6	4448256	S201MT-C6UC	2CDS271065R0064		0.125	10
	8	4448263	S201MT-C8UC	2CDS271065R0084		0.125	10
	10	4448287	S201MT-C10UC	2CDS271065R0104		0.125	10
	13	4448300	S201MT-C13UC	2CDS271065R0134		0.125	10
	16	4448331	S201MT-C16UC	2CDS271065R0164		0.125	10
	20	4448355	S201MT-C20UC	2CDS271065R0204		0.125	10
	25	4448386	S201MT-C25UC	2CDS271065R0254		0.125	10
	32	4448454	S201MT-C32UC	2CDS271065R0324		0.125	10
	40	4448522	S201MT-C40UC	2CDS271065R0404		0.125	10
	50	4448652	S201MT-C50UC	2CDS271065R0504		0.125	10
	63	4448829	S201MT-C63UC	2CDS271065R0634		0.125	10

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.5	4449451	S202MT-C0,5UC	2CDS272065R0984		0.250	5
	1	4448850	S202MT-C1UC	2CDS272065R0014		0.250	5
	1.6	4449444	S202MT-C1,6UC	2CDS272065R0974		0.250	5
	2	4448867	S202MT-C2UC	2CDS272065R0024		0.250	5
	3	4448874	S202MT-C3UC	2CDS272065R0034		0.250	5
	4	4448881	S202MT-C4UC	2CDS272065R0044		0.250	5
	6	4448898	S202MT-C6UC	2CDS272065R0064		0.250	5
	8	4448904	S202MT-C8UC	2CDS272065R0084		0.250	5
	10	4448928	S202MT-C10UC	2CDS272065R0104		0.250	5
	13	4448942	S202MT-C13UC	2CDS272065R0134		0.250	5
	16	4448973	S202MT-C16UC	2CDS272065R0164		0.250	5
	20	4448997	S202MT-C20UC	2CDS272065R0204		0.250	5
	25	4449024	S202MT-C25UC	2CDS272065R0254		0.250	5
	32	4449093	S202MT-C32UC	2CDS272065R0324		0.250	5
	40	4449161	S202MT-C40UC	2CDS272065R0404		0.250	5
	50	4449291	S202MT-C50UC	2CDS272065R0504		0.250	5
	63	4449437	S202MT-C63UC	2CDS272065R0634		0.250	5

MCBs

S 200 series MT UC, C characteristic

Universal current range



S 203 MT UC



S 204 MT UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	4448201	S203MT-C0,5UC	2CDS273065R0984		0.375	1
	1	4447600	S203MT-C1UC	2CDS273065R0014		0.375	1
	1.6	4448195	S203MT-C1,6UC	2CDS273065R0974		0.375	1
	2	4447617	S203MT-C2UC	2CDS273065R0024		0.375	1
	3	4447624	S203MT-C3UC	2CDS273065R0034		0.375	1
	4	4447631	S203MT-C4UC	2CDS273065R0044		0.375	1
	6	4447648	S203MT-C6UC	2CDS273065R0064		0.375	1
	8	4447655	S203MT-C8UC	2CDS273065R0084		0.375	1
	10	4447679	S203MT-C10UC	2CDS273065R0104		0.375	1
	13	4447693	S203MT-C13UC	2CDS273065R0134		0.375	1
	16	4447723	S203MT-C16UC	2CDS273065R0164		0.375	1
	20	4447747	S203MT-C20UC	2CDS273065R0204		0.375	1
	25	4447778	S203MT-C25UC	2CDS273065R0254		0.375	1
	32	4447846	S203MT-C32UC	2CDS273065R0324		0.375	1
	40	4447914	S203MT-C40UC	2CDS273065R0404		0.375	1
	50	4448041	S203MT-C50UC	2CDS273065R0504		0.375	1
	63	4448188	S203MT-C63UC	2CDS273065R0634		0.375	1

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	4447563	S204MT-C0,5UC	2CDS274065R0984		0.500	1
	1	4446948	S204MT-C1UC	2CDS274065R0014		0.500	1
	1.6	4447556	S204MT-C1,6UC	2CDS274065R0974		0.500	1
	2	4446955	S204MT-C2UC	2CDS274065R0024		0.500	1
	3	4446962	S204MT-C3UC	2CDS274065R0034		0.500	1
	4	4446979	S204MT-C4UC	2CDS274065R0044		0.500	1
	6	4446986	S204MT-C6UC	2CDS274065R0064		0.500	1
	8	4446993	S204MT-C8UC	2CDS274065R0084		0.500	1
	10	4447013	S204MT-C10UC	2CDS274065R0104		0.500	1
	13	4447037	S204MT-C13UC	2CDS274065R0134		0.500	1
	16	4447068	S204MT-C16UC	2CDS274065R0164		0.500	1
	20	4447082	S204MT-C20UC	2CDS274065R0204		0.500	1
	25	4447112	S204MT-C25UC	2CDS274065R0254		0.500	1
	32	4447181	S204MT-C32UC	2CDS274065R0324		0.500	1
	40	4447259	S204MT-C40UC	2CDS274065R0404		0.500	1
	50	4447389	S204MT-C50UC	2CDS274065R0504		0.500	1
	63	4447549	S204MT-C63UC	2CDS274065R0634		0.500	1

MCBs

S 200 series MT UC, K characteristic

Universal current range



S 201 MT UC

S 200 MT UC, K characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.2	4448270	S201MT-K0,2UC	2CDS271065R0087		0.125	10
	0.3	4448294	S201MT-K0,3UC	2CDS271065R0117		0.125	10
	0.5	4448317	S201MT-K0,5UC	2CDS271065R0157		0.125	10
	0.75	4448348	S201MT-K0,75UC	2CDS271065R0187		0.125	10
	1	4448362	S201MT-K1UC	2CDS271065R0217		0.125	10
	1.6	4448393	S201MT-K1,6UC	2CDS271065R0257		0.125	10
	2	4448416	S201MT-K2UC	2CDS271065R0277		0.125	10
	3	4448430	S201MT-K3UC	2CDS271065R0317		0.125	10
	4	4448461	S201MT-K4UC	2CDS271065R0337		0.125	10
	5	4448485	S201MT-K5UC	2CDS271065R0357		0.125	10
	6	4448508	S201MT-K6UC	2CDS271065R0377		0.125	10
	8	4448539	S201MT-K8UC	2CDS271065R0407		0.125	10
	10	4448553	S201MT-K10UC	2CDS271065R0427		0.125	10
	13	4448577	S201MT-K13UC	2CDS271065R0447		0.125	10
	15	4448591	S201MT-K15UC	2CDS271065R0457		0.125	10
	16	4448614	S201MT-K16UC	2CDS271065R0467		0.125	10
	20	4448638	S201MT-K20UC	2CDS271065R0487		0.125	10
	25	4448669	S201MT-K25UC	2CDS271065R0517		0.125	10
	30	4448683	S201MT-K30UC	2CDS271065R0527		0.125	10
	32	4448706	S201MT-K32UC	2CDS271065R0537		0.125	10
	35	4448720	S201MT-K35UC	2CDS271065R0547		0.125	10
	40	4448744	S201MT-K40UC	2CDS271065R0557		0.125	10
	50	4448768	S201MT-K50UC	2CDS271065R0577		0.125	10
	60	4448782	S201MT-K60UC	2CDS271065R0587		0.125	10
	63	4448805	S201MT-K63UC	2CDS271065R0607		0.125	10

MCBs

S 200 series MT UC, K characteristic

Universal current range



S 202 MT UC



S 203 MT UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.2	4448911	S202MT-K0,2UC	2CDS272065R0087		0.250	5
	0.3	4448935	S202MT-K0,3UC	2CDS272065R0117		0.250	5
	0.5	4448959	S202MT-K0,5UC	2CDS272065R0157		0.250	5
	0.75	4448980	S202MT-K0,75UC	2CDS272065R0187		0.250	5
	1	4449000	S202MT-K1UC	2CDS272065R0217		0.250	5
	1.6	4449031	S202MT-K1,6UC	2CDS272065R0257		0.250	5
	2	4449055	S202MT-K2UC	2CDS272065R0277		0.250	5
	3	4449079	S202MT-K3UC	2CDS272065R0317		0.250	5
	4	4449109	S202MT-K4UC	2CDS272065R0337		0.250	5
	5	4449123	S202MT-K5UC	2CDS272065R0357		0.250	5
	6	4449147	S202MT-K6UC	2CDS272065R0377		0.250	5
	8	4449178	S202MT-K8UC	2CDS272065R0407		0.250	5
	10	4449192	S202MT-K10UC	2CDS272065R0427		0.250	5
	13	4449215	S202MT-K13UC	2CDS272065R0447		0.250	5
	15	4449239	S202MT-K15UC	2CDS272065R0457		0.250	5
	16	4449253	S202MT-K16UC	2CDS272065R0467		0.250	5
	20	4449277	S202MT-K20UC	2CDS272065R0487		0.250	5
	25	4449307	S202MT-K25UC	2CDS272065R0517		0.250	5
	30	4449321	S202MT-K30UC	2CDS272065R0527		0.250	5
	32	4449345	S202MT-K32UC	2CDS272065R0537		0.250	5
	35	4449369	S202MT-K35UC	2CDS272065R0547		0.250	5
3	40	4449383	S202MT-K40UC	2CDS272065R0557		0.250	5
	50	4449406	S202MT-K50UC	2CDS272065R0577		0.250	5
	60	4449420	S202MT-K60UC	2CDS272065R0587		0.250	5
	63	4447587	S202MT-K63UC	2CDS272065R0607		0.250	5
	0.2	4447662	S203MT-K0,2UC	2CDS273065R0087		0.375	1
	0.3	4447686	S203MT-K0,3UC	2CDS273065R0117		0.375	1
	0.5	4447709	S203MT-K0,5UC	2CDS273065R0157		0.375	1
	0.75	4447730	S203MT-K0,75UC	2CDS273065R0187		0.375	1
	1	4447754	S203MT-K1UC	2CDS273065R0217		0.375	1
	1.6	4447785	S203MT-K1,6UC	2CDS273065R0257		0.375	1
	2	4447808	S203MT-K2UC	2CDS273065R0277		0.375	1
	3	4447822	S203MT-K3UC	2CDS273065R0317		0.375	1
	4	4447853	S203MT-K4UC	2CDS273065R0337		0.375	1
	5	4447877	S203MT-K5UC	2CDS273065R0357		0.375	1
	6	4447891	S203MT-K6UC	2CDS273065R0377		0.375	1
	8	4447921	S203MT-K8UC	2CDS273065R0407		0.375	1
	10	4447945	S203MT-K10UC	2CDS273065R0427		0.375	1
	13	4447969	S203MT-K13UC	2CDS273065R0447		0.375	1
	15	4447983	S203MT-K15UC	2CDS273065R0457		0.375	1
	16	4448003	S203MT-K16UC	2CDS273065R0467		0.375	1
	20	4448027	S203MT-K20UC	2CDS273065R0487		0.375	1
	25	4448058	S203MT-K25UC	2CDS273065R0517		0.375	1
	30	4448072	S203MT-K30UC	2CDS273065R0527		0.375	1
	32	4448096	S203MT-K32UC	2CDS273065R0537		0.375	1
	35	4448119	S203MT-K35UC	2CDS273065R0547		0.375	1
	40	4448133	S203MT-K40UC	2CDS273065R0557		0.375	1
	50	4448157	S203MT-K50UC	2CDS273065R0577		0.375	1
	60	4448171	S203MT-K60UC	2CDS273065R0587		0.375	1
	63	4446924	S203MT-K63UC	2CDS273065R0607		0.375	1



S 204 MT UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
4	0.2	4447006	S204MT-K0,2UC	2CDS274065R0087		0.500	1
	0.3	4447020	S204MT-K0,3UC	2CDS274065R0117		0.500	1
	0.5	4447044	S204MT-K0,5UC	2CDS274065R0157		0.500	1
	0.75	4447075	S204MT-K0,75UC	2CDS274065R0187		0.500	1
	1	4447099	S204MT-K1UC	2CDS274065R0217		0.500	1
	1.6	4447129	S204MT-K1,6UC	2CDS274065R0257		0.500	1
	2	4447143	S204MT-K2UC	2CDS274065R0277		0.500	1
	3	4447167	S204MT-K3UC	2CDS274065R0317		0.500	1
	4	4447198	S204MT-K4UC	2CDS274065R0337		0.500	1
	5	4447211	S204MT-K5UC	2CDS274065R0357		0.500	1
	6	4447235	S204MT-K6UC	2CDS274065R0377		0.500	1
	8	4447266	S204MT-K8UC	2CDS274065R0407		0.500	1
	10	4447280	S204MT-K10UC	2CDS274065R0427		0.500	1
	13	4447303	S204MT-K13UC	2CDS274065R0447		0.500	1
	15	4447327	S204MT-K15UC	2CDS274065R0457		0.500	1
	16	4447341	S204MT-K16UC	2CDS274065R0467		0.500	1
	20	4447365	S204MT-K20UC	2CDS274065R0487		0.500	1
	25	4447396	S204MT-K25UC	2CDS274065R0517		0.500	1
	30	4447419	S204MT-K30UC	2CDS274065R0527		0.500	1
	32	4447433	S204MT-K32UC	2CDS274065R0537		0.500	1
	35	4447457	S204MT-K35UC	2CDS274065R0547		0.500	1
	40	4447471	S204MT-K40UC	2CDS274065R0557		0.500	1
	50	4447495	S204MT-K50UC	2CDS274065R0577		0.500	1
	60	4447518	S204MT-K60UC	2CDS274065R0587		0.500	1
	63	4449468	S204MT-K63UC	2CDS274065R0607		0.500	1

MCBs

S 200 series MT UC, Z characteristic

Universal current range



S 201 MT UC



S 202 MT UC

S 200 MT UC, Z characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	4448324	S201MT-Z0,5UC	2CDS271065R0158		0.125	10
	1	4448379	S201MT-Z1UC	2CDS271065R0218		0.125	10
	1.6	4448409	S201MT-Z1,6UC	2CDS271065R0258		0.125	10
	2	4448423	S201MT-Z2UC	2CDS271065R0278		0.125	10
	3	4448447	S201MT-Z3UC	2CDS271065R0318		0.125	10
	4	4448478	S201MT-Z4UC	2CDS271065R0338		0.125	10
	5	4448492	S201MT-Z5UC	2CDS271065R0358		0.125	10
	6	4448515	S201MT-Z6UC	2CDS271065R0378		0.125	10
	8	4448546	S201MT-Z8UC	2CDS271065R0408		0.125	10
	10	4448560	S201MT-Z10UC	2CDS271065R0428		0.125	10
	15	4448607	S201MT-Z15UC	2CDS271065R0458		0.125	10
	16	4448621	S201MT-Z16UC	2CDS271065R0468		0.125	10
	20	4448645	S201MT-Z20UC	2CDS271065R0488		0.125	10
	25	4448676	S201MT-Z25UC	2CDS271065R0518		0.125	10
	30	4448690	S201MT-Z30UC	2CDS271065R0528		0.125	10
	32	4448713	S201MT-Z32UC	2CDS271065R0538		0.125	10
	35	4448737	S201MT-Z35UC	2CDS271065R0548		0.125	10
	40	4448751	S201MT-Z40UC	2CDS271065R0558		0.125	10
	50	4448775	S201MT-Z50UC	2CDS271065R0578		0.125	10
	60	4448799	S201MT-Z60UC	2CDS271065R0588		0.125	10
	63	4448812	S201MT-Z63UC	2CDS271065R0608		0.125	10
2	0.5	4448966	S202MT-Z0,5UC	2CDS272065R0158		0.250	5
	1	4449017	S202MT-Z1UC	2CDS272065R0218		0.250	5
	1.6	4449048	S202MT-Z1,6UC	2CDS272065R0258		0.250	5
	2	4449062	S202MT-Z2UC	2CDS272065R0278		0.250	5
	3	4449086	S202MT-Z3UC	2CDS272065R0318		0.250	5
	4	4449116	S202MT-Z4UC	2CDS272065R0338		0.250	5
	5	4449130	S202MT-Z5UC	2CDS272065R0358		0.250	5
	6	4449154	S202MT-Z6UC	2CDS272065R0378		0.250	5
	8	4449185	S202MT-Z8UC	2CDS272065R0408		0.250	5
	10	4449208	S202MT-Z10UC	2CDS272065R0428		0.250	5
	15	4449246	S202MT-Z15UC	2CDS272065R0458		0.250	5
	16	4449260	S202MT-Z16UC	2CDS272065R0468		0.250	5
	20	4449284	S202MT-Z20UC	2CDS272065R0488		0.250	5
	25	4449314	S202MT-Z25UC	2CDS272065R0518		0.250	5
	30	4449338	S202MT-Z30UC	2CDS272065R0528		0.250	5
	32	4449352	S202MT-Z32UC	2CDS272065R0538		0.250	5
	35	4449376	S202MT-Z35UC	2CDS272065R0548		0.250	5
	40	4449390	S202MT-Z40UC	2CDS272065R0558		0.250	5
	50	4449413	S202MT-Z50UC	2CDS272065R0578		0.250	5
	60	4447570	S202MT-Z60UC	2CDS272065R0588		0.250	5
	63	4447594	S202MT-Z63UC	2CDS272065R0608		0.250	5



S 203 MT UC



S 204 MT UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
3	0.5	4447716	S203MT-Z0,5UC	2CDS273065R0158		0.375	1
	1	4447761	S203MT-Z1UC	2CDS273065R0218		0.375	1
	1.6	4447792	S203MT-Z1,6UC	2CDS273065R0258		0.375	1
	2	4447815	S203MT-Z2UC	2CDS273065R0278		0.375	1
	3	4447839	S203MT-Z3UC	2CDS273065R0318		0.375	1
	4	4447860	S203MT-Z4UC	2CDS273065R0338		0.375	1
	5	4447884	S203MT-Z5UC	2CDS273065R0358		0.375	1
	6	4447907	S203MT-Z6UC	2CDS273065R0378		0.375	1
	8	4447938	S203MT-Z8UC	2CDS273065R0408		0.375	1
	10	4447952	S203MT-Z10UC	2CDS273065R0428		0.375	1
	15	4447990	S203MT-Z15UC	2CDS273065R0458		0.375	1
	16	4448010	S203MT-Z16UC	2CDS273065R0468		0.375	1
	20	4448034	S203MT-Z20UC	2CDS273065R0488		0.375	1
	25	4448065	S203MT-Z25UC	2CDS273065R0518		0.375	1
	30	4448089	S203MT-Z30UC	2CDS273065R0528		0.375	1
	32	4448102	S203MT-Z32UC	2CDS273065R0538		0.375	1
	35	4448126	S203MT-Z35UC	2CDS273065R0548		0.375	1
	40	4448140	S203MT-Z40UC	2CDS273065R0558		0.375	1
	50	4448164	S203MT-Z50UC	2CDS273065R0578		0.375	1
	60	4446917	S203MT-Z60UC	2CDS273065R0588		0.375	1
	63	4446931	S203MT-Z63UC	2CDS273065R0608		0.375	1

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
4	0.5	4447051	S204MT-Z0,5UC	2CDS274065R0158		0.500	1
	1	4447105	S204MT-Z1UC	2CDS274065R0218		0.500	1
	1.6	4447136	S204MT-Z1,6UC	2CDS274065R0258		0.500	1
	2	4447150	S204MT-Z2UC	2CDS274065R0278		0.500	1
	3	4447174	S204MT-Z3UC	2CDS274065R0318		0.500	1
	4	4447204	S204MT-Z4UC	2CDS274065R0338		0.500	1
	5	4447228	S204MT-Z5UC	2CDS274065R0358		0.500	1
	6	4447242	S204MT-Z6UC	2CDS274065R0378		0.500	1
	8	4447273	S204MT-Z8UC	2CDS274065R0408		0.500	1
	10	4447297	S204MT-Z10UC	2CDS274065R0428		0.500	1
	15	4447334	S204MT-Z15UC	2CDS274065R0458		0.500	1
	16	4447358	S204MT-Z16UC	2CDS274065R0468		0.500	1
	20	4447372	S204MT-Z20UC	2CDS274065R0488		0.500	1
	25	4447402	S204MT-Z25UC	2CDS274065R0518		0.500	1
	30	4447426	S204MT-Z30UC	2CDS274065R0528		0.500	1
	32	4447440	S204MT-Z32UC	2CDS274065R0538		0.500	1
	35	4447464	S204MT-Z35UC	2CDS274065R0548		0.500	1
	40	4447488	S204MT-Z40UC	2CDS274065R0558		0.500	1
	50	4447501	S204MT-Z50UC	2CDS274065R0578		0.500	1
	60	4447525	S204MT-Z60UC	2CDS274065R0588		0.500	1
	63	4447532	S204MT-Z63UC	2CDS274065R0608		0.500	1

MCBs

S 200 M UC series technical features



S 201 M UC

		S200 M UC
Standards	Product Standard	IEC/EN 60898-2, IEC/EN 60947-2
	Hazard level acc. to EN 45545-2	R26/HL3
	Resistance to shocks and vibrations acc. to IEC 61373	Category 1 - Class A/B - Body mounted
	GOST 9219-88 approval	Yes
General data	Poles	1P, 2P, 3P, 4P
	Rated current I_n	A 0.2 - 63 A
	Rated frequency f	Hz 0/50/60 Hz
	Rated insulation voltage U_i acc. to IEC/EN 60664-1	V 253 V AC (phase to ground), 440 V AC (phase to phase)
	Overvoltage category	III
	Pollution degree	2
	Tripping characteristics	B, C
Data acc. to IEC/EN 60898-2	Rated operational voltage U_n	V 1P: 230 V AC, 220 V DC 2P: 400 V AC, 440 V DC 3...4P: 400 V AC (only according to IEC/EN 60898-1)
	Max. power frequency recovery voltage (U_{max})	V 1P: 253 V AC, 250 V DC 2P: 440 V AC, 500 V DC 3...4P: 440 V AC (only according to IEC/EN 60898-1)
	Min. operating voltage	V 12 V AC – 12 V DC
	Rated short-circuit capacity I_{cn}	kA 10 kA
	Energy limiting class (B, C up to 40 A)	3
	Rated impulse withstand voltage U_{imp} . (1.2/50 μ s)	kV 4 kV (test voltage 6.2 kV at sea level; 5 kV at 2,000 m)
	Dielectric test voltage	kV 2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C 30 °C
	Electrical endurance	ops. $I_n < 32$ A: 20,000 ops. (AC), $I_n \geq 32$ A: 10,000 ops. (AC); 1,000 ops. (DC)
	Tripping characteristics	B, C, K, Z
	Rated operational voltage U_e	V 1P: 253 V AC, 220 V DC 2...4P: 440 V AC, 440 V DC
	Max. power frequency recovery voltage (U_{max})	V 1P: 266 V AC, 250 V DC 2...4P: 462 V AC, 500 V DC
	Min. operating voltage	V 12 V AC – 12 V DC
	Rated ultimate short-circuit breaking capacity I_{cu}	kA ≤ 40 A: 10 kA (AC); 10 kA (DC) >40 A: 6 kA (AC); 10 kA (DC)
Data acc. to IEC/EN 60947-2	Rated service short-circuit breaking capacity I_{cs}	kA ≤ 40 A: 7.5 kA (AC); 10 kA (DC) >40 A: 6 kA (AC); 10 kA (DC)
	Rated impulse withstand voltage U_{imp} . (1.2/50 μ s)	kV 4 kV (test voltage 6.2 kV at sea level; 5 kV at 2,000 m)
	Dielectric test voltage	kV 2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C B, C: 55 °C; K, Z: 20 °C
	Electrical endurance	ops. $I_n < 32$ A: 20,000 ops. (AC), $I_n \geq 32$ A: 10,000 ops. (AC); 1,500 ops. (DC)
	Tripping characteristics	B, C, K, Z
	Rated operational voltage U_e	V 1P: 253 V AC, 220 V DC 2...4P: 440 V AC, 440 V DC
	Max. power frequency recovery voltage (U_{max})	V 1P: 266 V AC, 250 V DC 2...4P: 462 V AC, 500 V DC

S200 M UC			
Mechanical data	Housing		Insulation group I, RAL 7035
	Toggle		Insulation group II, black, sealable
	Contact position indicator		Real CPI (green OFF / red ON)
	Protection degree acc. to EN 60529		IP20, IP40 in enclosure with cover
	Mechanical endurance	ops.	20,000 ops.
	Shock resistance acc. to IEC/EN 60068-2-27		25 g - 2 shocks - 13 ms
	Vibration resistance acc. to IEC/EN 60068-2-6		5 g - 20 cycles at 5 ... 150 ... 5 Hz at 0.8 In
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/ RH	28 cycles with 55 °C/90-96 % and 25 °C/95-100 %
	Ambient temperature (with daily average $\leq +35$ °C)	°C	-25 ... +55 °C
	Storage temperature	°C	-40 ... +70 °C
Installation	Terminal type		Failsafe bi-directional cylinder-lift terminal
	Cross-section of conductors (top/bottom)	solid/ stranded	mm ² 35 mm ² / 35 mm ²
		flexible	mm ² 25 mm ² / 25 mm ²
	Cross-section of busbars	AWG	14 – 4 AWG (Cu only)
		mm ²	10 mm ² / 10 mm ²
	Tightening torque	AWG	14 – 8 AWG
		IEC	Nm 2.8 Nm
	Screwdriver	UL	in-lbs. 18 in-lbs.
	Mounting		No. 2 Pozidriv
Dimensions and weight	Mounting dimensions acc. to DIN 43880		on DIN-Rail 35 mm, acc. to EN 60715 by fast clip
	Mounting position		any
	Supply		Please note polarity of device
	Pole dimensions (H x D x W)	mm	1
Combination with auxiliary elements	Pole weight	g	85 x 69 x 17.5 mm
			approx. 125 g

MCBs

S 200 series M UC, B characteristic

Universal current range



S 201 M UC



S 202 M UC

S 200 M UC, B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60898-2, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
1	In A	EAN				kg	pc.
	6	4430596	S201M-B6UC	2CDS271061R0065		0.125	10
	10	4430602	S201M-B10UC	2CDS271061R0105		0.125	10
	13	4430619	S201M-B13UC	2CDS271061R0135		0.125	10
	16	4430626	S201M-B16UC	2CDS271061R0165		0.125	10
	20	4430633	S201M-B20UC	2CDS271061R0205		0.125	10
	25	4430640	S201M-B25UC	2CDS271061R0255		0.125	10
	32	4430657	S201M-B32UC	2CDS271061R0325		0.125	10
	40	4430664	S201M-B40UC	2CDS271061R0405		0.125	10
	50	4430671	S201M-B50UC	2CDS271061R0505		0.125	10
	63	4430688	S201M-B63UC	2CDS271061R0635		0.125	10

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
2	In A	EAN				kg	pc.
	6	4432811	S202M-B6UC	2CDS272061R0065		0.250	5
	10	4432828	S202M-B10UC	2CDS272061R0105		0.250	5
	13	4432835	S202M-B13UC	2CDS272061R0135		0.250	5
	16	4432842	S202M-B16UC	2CDS272061R0165		0.250	5
	20	4432859	S202M-B20UC	2CDS272061R0205		0.250	5
	25	4432866	S202M-B25UC	2CDS272061R0255		0.250	5
	32	4432873	S202M-B32UC	2CDS272061R0325		0.250	5
	40	4432880	S202M-B40UC	2CDS272061R0405		0.250	5
	50	4432897	S202M-B50UC	2CDS272061R0505		0.250	5
	63	4432903	S202M-B63UC	2CDS272061R0635		0.250	5



S 203 M UC



S 204 M UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	6	4435034	S203M-B6UC	2CDS273061R0065		0.375	1
	10	4435041	S203M-B10UC	2CDS273061R0105		0.375	1
	13	4435058	S203M-B13UC	2CDS273061R0135		0.375	1
	16	4435065	S203M-B16UC	2CDS273061R0165		0.375	1
	20	4435072	S203M-B20UC	2CDS273061R0205		0.375	1
	25	4435089	S203M-B25UC	2CDS273061R0255		0.375	1
	32	4435096	S203M-B32UC	2CDS273061R0325		0.375	1
	40	4435102	S203M-B40UC	2CDS273061R0405		0.375	1
	50	4435119	S203M-B50UC	2CDS273061R0505		0.375	1
	63	4435126	S203M-B63UC	2CDS273061R0635		0.375	1

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	6	4437250	S204M-B6UC	2CDS274061R0065		0.500	1
	10	4437267	S204M-B10UC	2CDS274061R0105		0.500	1
	13	4437274	S204M-B13UC	2CDS274061R0135		0.500	1
	16	4437281	S204M-B16UC	2CDS274061R0165		0.500	1
	20	4437298	S204M-B20UC	2CDS274061R0205		0.500	1
	25	4437304	S204M-B25UC	2CDS274061R0255		0.500	1
	32	4437311	S204M-B32UC	2CDS274061R0325		0.500	1
	40	4437328	S204M-B40UC	2CDS274061R0405		0.500	1
	50	4437335	S204M-B50UC	2CDS274061R0505		0.500	1
	63	4437342	S204M-B63UC	2CDS274061R0635		0.500	1

MCBs

S 200 series M UC, C characteristic

Universal current range



S 201 M UC



S 202 M UC

S 200 M UC, C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60898-2, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373)

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	4430695	S201M-C0.5UC	2CDS271061R0984		0.125	10
	1	4430701	S201M-C1UC	2CDS271061R0014		0.125	10
	1.6	4430718	S201M-C1.6UC	2CDS271061R0974		0.125	10
	2	4430725	S201M-C2UC	2CDS271061R0024		0.125	10
	3	4430732	S201M-C3UC	2CDS271061R0034		0.125	10
	4	4430749	S201M-C4UC	2CDS271061R0044		0.125	10
	6	4430756	S201M-C6UC	2CDS271061R0064		0.125	10
	8	4430763	S201M-C8UC	2CDS271061R0084		0.125	10
	10	4430770	S201M-C10UC	2CDS271061R0104		0.125	10
	13	4430787	S201M-C13UC	2CDS271061R0134		0.125	10
	16	4430794	S201M-C16UC	2CDS271061R0164		0.125	10
	20	4430800	S201M-C20UC	2CDS271061R0204		0.125	10
	25	4430817	S201M-C25UC	2CDS271061R0254		0.125	10
	32	4430824	S201M-C32UC	2CDS271061R0324		0.125	10
	40	4430831	S201M-C40UC	2CDS271061R0404		0.125	10
	50	4430848	S201M-C50UC	2CDS271061R0504		0.125	10
	63	4430855	S201M-C63UC	2CDS271061R0634		0.125	10

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.5	4432910	S202M-C0.5UC	2CDS272061R0984		0.250	5
	1	4432927	S202M-C1UC	2CDS272061R0014		0.250	5
	1.6	4432934	S202M-C1.6UC	2CDS272061R0974		0.250	5
	2	4432941	S202M-C2UC	2CDS272061R0024		0.250	5
	3	4432958	S202M-C3UC	2CDS272061R0034		0.250	5
	4	4432965	S202M-C4UC	2CDS272061R0044		0.250	5
	6	4432972	S202M-C6UC	2CDS272061R0064		0.250	5
	8	4432989	S202M-C8UC	2CDS272061R0084		0.250	5
	10	4432996	S202M-C10UC	2CDS272061R0104		0.250	5
	13	4433009	S202M-C13UC	2CDS272061R0134		0.250	5
	16	4433016	S202M-C16UC	2CDS272061R0164		0.250	5
	20	4433023	S202M-C20UC	2CDS272061R0204		0.250	5
	25	4433030	S202M-C25UC	2CDS272061R0254		0.250	5
	32	4433047	S202M-C32UC	2CDS272061R0324		0.250	5
	40	4433054	S202M-C40UC	2CDS272061R0404		0.250	5
	50	4433061	S202M-C50UC	2CDS272061R0504		0.250	5
	63	4433078	S202M-C63UC	2CDS272061R0634		0.250	5



S 203 M UC



S 204 M UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	4435133	S203M-C0.5UC	2CDS273061R0984		0.375	1
	1	4435140	S203M-C1UC	2CDS273061R0014		0.375	1
	1.6	4435157	S203M-C1.6UC	2CDS273061R0974		0.375	1
	2	4435164	S203M-C2UC	2CDS273061R0024		0.375	1
	3	4435171	S203M-C3UC	2CDS273061R0034		0.375	1
	4	4435188	S203M-C4UC	2CDS273061R0044		0.375	1
	6	4435195	S203M-C6UC	2CDS273061R0064		0.375	1
	8	4435201	S203M-C8UC	2CDS273061R0084		0.375	1
	10	4435218	S203M-C10UC	2CDS273061R0104		0.375	1
	13	4435225	S203M-C13UC	2CDS273061R0134		0.375	1
	16	4435232	S203M-C16UC	2CDS273061R0164		0.375	1
	20	4435249	S203M-C20UC	2CDS273061R0204		0.375	1
	25	4435256	S203M-C25UC	2CDS273061R0254		0.375	1
	32	4435263	S203M-C32UC	2CDS273061R0324		0.375	1
	40	4435270	S203M-C40UC	2CDS273061R0404		0.375	1
	50	4435287	S203M-C50UC	2CDS273061R0504		0.375	1
	63	4435294	S203M-C63UC	2CDS273061R0634		0.375	1

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	4437359	S204M-C0.5UC	2CDS274061R0984		0.500	1
	1	4437366	S204M-C1UC	2CDS274061R0014		0.500	1
	1.6	4437373	S204M-C1.6UC	2CDS274061R0974		0.500	1
	2	4437380	S204M-C2UC	2CDS274061R0024		0.500	1
	3	4437397	S204M-C3UC	2CDS274061R0034		0.500	1
	4	4437403	S204M-C4UC	2CDS274061R0044		0.500	1
	6	4437410	S204M-C6UC	2CDS274061R0064		0.500	1
	8	4437427	S204M-C8UC	2CDS274061R0084		0.500	1
	10	4437434	S204M-C10UC	2CDS274061R0104		0.500	1
	13	4437441	S204M-C13UC	2CDS274061R0134		0.500	1
	16	4437458	S204M-C16UC	2CDS274061R0164		0.500	1
	20	4437465	S204M-C20UC	2CDS274061R0204		0.500	1
	25	4437472	S204M-C25UC	2CDS274061R0254		0.500	1
	32	4437489	S204M-C32UC	2CDS274061R0324		0.500	1
	40	4437496	S204M-C40UC	2CDS274061R0404		0.500	1
	50	4437502	S204M-C50UC	2CDS274061R0504		0.500	1
	63	4437519	S204M-C63UC	2CDS274061R0634		0.500	1

MCBs

S 200 series M UC, K characteristic

Universal current range



S 201 M UC

S 200 M UC, K characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

(for DC applications, please note polarity of device)

Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.2	4430862	S201M-K0.2UC	2CDS271061R0087		0.125	10
	0.3	4430879	S201M-K0.3UC	2CDS271061R0117		0.125	10
	0.5	4430886	S201M-K0.5UC	2CDS271061R0157		0.125	10
	0.75	4430893	S201M-K0.75UC	2CDS271061R0187		0.125	10
	1	4430909	S201M-K1UC	2CDS271061R0217		0.125	10
	1.6	4430916	S201M-K1.6UC	2CDS271061R0257		0.125	10
	2	4430923	S201M-K2UC	2CDS271061R0277		0.125	10
	3	4430930	S201M-K3UC	2CDS271061R0317		0.125	10
	4	4430947	S201M-K4UC	2CDS271061R0337		0.125	10
	5	4430954	S201M-K5UC	2CDS271061R0357		0.125	10
	6	4430961	S201M-K6UC	2CDS271061R0377		0.125	10
	8	4430978	S201M-K8UC	2CDS271061R0407		0.125	10
	10	4430985	S201M-K10UC	2CDS271061R0427		0.125	10
	13	4430992	S201M-K13UC	2CDS271061R0447		0.125	10
	15	4431005	S201M-K15UC	2CDS271061R0457		0.125	10
	16	4431012	S201M-K16UC	2CDS271061R0467		0.125	10
	20	4431029	S201M-K20UC	2CDS271061R0487		0.125	10
	25	4431036	S201M-K25UC	2CDS271061R0517		0.125	10
	30	4431043	S201M-K30UC	2CDS271061R0527		0.125	10
	32	4431050	S201M-K32UC	2CDS271061R0537		0.125	10
	35	4431067	S201M-K35UC	2CDS271061R0547		0.125	10
	40	4431074	S201M-K40UC	2CDS271061R0557		0.125	10
	50	4431081	S201M-K50UC	2CDS271061R0577		0.125	10
	60	4431098	S201M-K60UC	2CDS271061R0587		0.125	10
	63	4431104	S201M-K63UC	2CDS271061R0607		0.125	10



S 202 M UC



S 203 M UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
2	0.2	4433085	S202M-K0.2UC	2CDS272061R0087		0.250	5
	0.3	4433092	S202M-K0.3UC	2CDS272061R0117		0.250	5
	0.5	4433108	S202M-K0.5UC	2CDS272061R0157		0.250	5
	0.75	4433115	S202M-K0.75UC	2CDS272061R0187		0.250	5
	1	4433122	S202M-K1UC	2CDS272061R0217		0.250	5
	1.6	4433139	S202M-K1.6UC	2CDS272061R0257		0.250	5
	2	4433146	S202M-K2UC	2CDS272061R0277		0.250	5
	3	4433153	S202M-K3UC	2CDS272061R0317		0.250	5
	4	4433160	S202M-K4UC	2CDS272061R0337		0.250	5
	5	4433177	S202M-K5UC	2CDS272061R0357		0.250	5
	6	4433184	S202M-K6UC	2CDS272061R0377		0.250	5
	8	4433191	S202M-K8UC	2CDS272061R0407		0.250	5
	10	4433207	S202M-K10UC	2CDS272061R0427		0.250	5
	13	4433214	S202M-K13UC	2CDS272061R0447		0.250	5
	15	4433221	S202M-K15UC	2CDS272061R0457		0.250	5
	16	4433238	S202M-K16UC	2CDS272061R0467		0.250	5
	20	4433245	S202M-K20UC	2CDS272061R0487		0.250	5
	25	4433252	S202M-K25UC	2CDS272061R0517		0.250	5
	30	4433269	S202M-K30UC	2CDS272061R0527		0.250	5
	32	4433276	S202M-K32UC	2CDS272061R0537		0.250	5
	35	4433283	S202M-K35UC	2CDS272061R0547		0.250	5
	40	4433290	S202M-K40UC	2CDS272061R0557		0.250	5
	50	4433306	S202M-K50UC	2CDS272061R0577		0.250	5
	60	4433313	S202M-K60UC	2CDS272061R0587		0.250	5
	63	4433320	S202M-K63UC	2CDS272061R0607		0.250	5
3	0.2	4435300	S203M-K0.2UC	2CDS273061R0087		0.375	1
	0.3	4435317	S203M-K0.3UC	2CDS273061R0117		0.375	1
	0.5	4435324	S203M-K0.5UC	2CDS273061R0157		0.375	1
	0.75	4435331	S203M-K0.75UC	2CDS273061R0187		0.375	1
	1	4435348	S203M-K1UC	2CDS273061R0217		0.375	1
	1.6	4435355	S203M-K1.6UC	2CDS273061R0257		0.375	1
	2	4435362	S203M-K2UC	2CDS273061R0277		0.375	1
	3	4435379	S203M-K3UC	2CDS273061R0317		0.375	1
	4	4435386	S203M-K4UC	2CDS273061R0337		0.375	1
	5	4435393	S203M-K5UC	2CDS273061R0357		0.375	1
	6	4435409	S203M-K6UC	2CDS273061R0377		0.375	1
	8	4435416	S203M-K8UC	2CDS273061R0407		0.375	1
	10	4435423	S203M-K10UC	2CDS273061R0427		0.375	1
	13	4435430	S203M-K13UC	2CDS273061R0447		0.375	1
	15	4435447	S203M-K15UC	2CDS273061R0457		0.375	1
	16	4435454	S203M-K16UC	2CDS273061R0467		0.375	1
	20	4435461	S203M-K20UC	2CDS273061R0487		0.375	1
	25	4435478	S203M-K25UC	2CDS273061R0517		0.375	1
	30	4435485	S203M-K30UC	2CDS273061R0527		0.375	1
	32	4435492	S203M-K32UC	2CDS273061R0537		0.375	1
	35	4435508	S203M-K35UC	2CDS273061R0547		0.375	1
	40	4435515	S203M-K40UC	2CDS273061R0557		0.375	1
	50	4435522	S203M-K50UC	2CDS273061R0577		0.375	1
	60	4435539	S203M-K60UC	2CDS273061R0587		0.375	1
	63	4435546	S203M-K63UC	2CDS273061R0607		0.375	1

MCBs

S 200 series M UC, K characteristic
Universal current range



S 204 M UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A		Type code	Order code		kg	pc.
4	0.2	4437526	S204M-K0.2UC	2CDS274061R0087		0.500	1
	0.3	4437533	S204M-K0.3UC	2CDS274061R0117		0.500	1
	0.5	4437540	S204M-K0.5UC	2CDS274061R0157		0.500	1
	0.75	4437557	S204M-K0.75UC	2CDS274061R0187		0.500	1
	1	4437564	S204M-K1UC	2CDS274061R0217		0.500	1
	1.6	4437571	S204M-K1.6UC	2CDS274061R0257		0.500	1
	2	4437588	S204M-K2UC	2CDS274061R0277		0.500	1
	3	4437595	S204M-K3UC	2CDS274061R0317		0.500	1
	4	4437601	S204M-K4UC	2CDS274061R0337		0.500	1
	5	4437618	S204M-K5UC	2CDS274061R0357		0.500	1
	6	4437625	S204M-K6UC	2CDS274061R0377		0.500	1
	8	4437632	S204M-K8UC	2CDS274061R0407		0.500	1
	10	4437649	S204M-K10UC	2CDS274061R0427		0.500	1
	13	4437656	S204M-K13UC	2CDS274061R0447		0.500	1
	15	4437663	S204M-K15UC	2CDS274061R0457		0.500	1
	16	4437670	S204M-K16UC	2CDS274061R0467		0.500	1
	20	4437687	S204M-K20UC	2CDS274061R0487		0.500	1
	25	4437694	S204M-K25UC	2CDS274061R0517		0.500	1
	30	4437700	S204M-K30UC	2CDS274061R0527		0.500	1
	32	4437717	S204M-K32UC	2CDS274061R0537		0.500	1
	35	4437724	S204M-K35UC	2CDS274061R0547		0.500	1
	40	4437731	S204M-K40UC	2CDS274061R0557		0.500	1
	50	4437748	S204M-K50UC	2CDS274061R0577		0.500	1
	60	4437755	S204M-K60UC	2CDS274061R0587		0.500	1
	63	4437762	S204M-K63UC	2CDS274061R0607		0.500	1



MCBs

S 200 series M UC, Z characteristic
Universal current range



S 201 M UC



S 202 M UC

S 200 M UC, Z characteristic
Function: protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems; version dedicated to application in direct current circuits for voltages up to 220 V DC 1 pole and 440 V DC 2, 3 and 4 poles.
Standards: IEC/EN 60947-2
Hazard level R26/HL3 according to EN 45545
Category 1 - Class A/B (Body mounted) according to IEC 61373
(for DC applications, please note polarity of device)
Icu=10 kA

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1	0.5	4431111	S201M-Z0.5UC	2CDS271061R0158		0.125	10
	1	4431128	S201M-Z1UC	2CDS271061R0218		0.125	10
	1.6	4431135	S201M-Z1.6UC	2CDS271061R0258		0.125	10
	2	4431142	S201M-Z2UC	2CDS271061R0278		0.125	10
	3	4431159	S201M-Z3UC	2CDS271061R0318		0.125	10
	4	4431166	S201M-Z4UC	2CDS271061R0338		0.125	10
	5	4431173	S201M-Z5UC	2CDS271061R0358		0.125	10
	6	4431180	S201M-Z6UC	2CDS271061R0378		0.125	10
	8	4431197	S201M-Z8UC	2CDS271061R0408		0.125	10
	10	4431203	S201M-Z10UC	2CDS271061R0428		0.125	10
	15	4431227	S201M-Z15UC	2CDS271061R0458		0.125	10
	16	4431234	S201M-Z16UC	2CDS271061R0468		0.125	10
	20	4431241	S201M-Z20UC	2CDS271061R0488		0.125	10
	25	4431258	S201M-Z25UC	2CDS271061R0518		0.125	10
	30	4431265	S201M-Z30UC	2CDS271061R0528		0.125	10
	32	4431272	S201M-Z32UC	2CDS271061R0538		0.125	10
	35	4431289	S201M-Z35UC	2CDS271061R0548		0.125	10
	40	4431296	S201M-Z40UC	2CDS271061R0558		0.125	10
	50	4431302	S201M-Z50UC	2CDS271061R0578		0.125	10
	60	4431319	S201M-Z60UC	2CDS271061R0588		0.125	10
	63	4431326	S201M-Z63UC	2CDS271061R0608		0.125	10

MCBs

S 200 series M UC, Z characteristic

Universal current range



S 203 M UC



S 204 M UC

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	4435553	S203M-Z0.5UC	2CDS273061R0158		0.375	1
	1	4435560	S203M-Z1UC	2CDS273061R0218		0.375	1
	1.6	4435577	S203M-Z1.6UC	2CDS273061R0258		0.375	1
	2	4435584	S203M-Z2UC	2CDS273061R0278		0.375	1
	3	4435591	S203M-Z3UC	2CDS273061R0318		0.375	1
	4	4435607	S203M-Z4UC	2CDS273061R0338		0.375	1
	5	4435614	S203M-Z5UC	2CDS273061R0358		0.375	1
	6	4435621	S203M-Z6UC	2CDS273061R0378		0.375	1
	8	4435638	S203M-Z8UC	2CDS273061R0408		0.375	1
	10	4435645	S203M-Z10UC	2CDS273061R0428		0.375	1
	15	4435669	S203M-Z15UC	2CDS273061R0458		0.375	1
	16	4435676	S203M-Z16UC	2CDS273061R0468		0.375	1
	20	4435683	S203M-Z20UC	2CDS273061R0488		0.375	1
	25	4435690	S203M-Z25UC	2CDS273061R0518		0.375	1
	30	4435706	S203M-Z30UC	2CDS273061R0528		0.375	1
	32	4435713	S203M-Z32UC	2CDS273061R0538		0.375	1
	35	4435720	S203M-Z35UC	2CDS273061R0548		0.375	1
	40	4435737	S203M-Z40UC	2CDS273061R0558		0.375	1
	50	4435744	S203M-Z50UC	2CDS273061R0578		0.375	1
	60	4435751	S203M-Z60UC	2CDS273061R0588		0.375	1
	63	4435768	S203M-Z63UC	2CDS273061R0608		0.375	1

Number of poles	Rated current	Bbn 401361	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	4437779	S204M-Z0.5UC	2CDS274061R0158		0.500	1
	1	4437786	S204M-Z1UC	2CDS274061R0218		0.500	1
	1.6	4437793	S204M-Z1.6UC	2CDS274061R0258		0.500	1
	2	4437809	S204M-Z2UC	2CDS274061R0278		0.500	1
	3	4437816	S204M-Z3UC	2CDS274061R0318		0.500	1
	4	4437823	S204M-Z4UC	2CDS274061R0338		0.500	1
	5	4437830	S204M-Z5UC	2CDS274061R0358		0.500	1
	6	4437847	S204M-Z6UC	2CDS274061R0378		0.500	1
	8	4437854	S204M-Z8UC	2CDS274061R0408		0.500	1
	10	4437861	S204M-Z10UC	2CDS274061R0428		0.500	1
	15	4437885	S204M-Z15UC	2CDS274061R0458		0.500	1
	16	4437892	S204M-Z16UC	2CDS274061R0468		0.500	1
	20	4437908	S204M-Z20UC	2CDS274061R0488		0.500	1
	25	4437915	S204M-Z25UC	2CDS274061R0518		0.500	1
	30	4437922	S204M-Z30UC	2CDS274061R0528		0.500	1
	32	4437939	S204M-Z32UC	2CDS274061R0538		0.500	1
	35	4437946	S204M-Z35UC	2CDS274061R0548		0.500	1
	40	4437953	S204M-Z40UC	2CDS274061R0558		0.500	1
	50	4437960	S204M-Z50UC	2CDS274061R0578		0.500	1
	60	4437977	S204M-Z60UC	2CDS274061R0588		0.500	1
	63	4437984	S204M-Z63UC	2CDS274061R0608		0.500	1

Notes

[illegible]

MCBs

S 200 P series technical features



S 201 P

S 200 P		
Standards	Product Standard	IEC/EN 60898-1, IEC/EN 60947-2
	Hazard level acc. to EN 45545-2	R26/HL3
	Resistance to shocks and vibrations acc. to IEC 61373	Category 1 - Class A/B - body mounted
	GOST 9219-88 approval	Yes
General data	Poles	1P, 2P, 3P, 4P, 1P+N, 3P+N
	Tripping characteristics	B, C, D, K, Z
	Rated current I_n	A 0.2...63 A
	Rated frequency f	Hz 50/60 Hz
	Rated insulation voltage U_i acc. to IEC/EN 60664-1	V 440 V AC
	Overvoltage category	III
	Pollution degree	2
Data acc. to IEC/EN 60898-1	Rated operational voltage U_n	V 1P: 230 V AC; 2P: 400 V AC; 3..4P: 400 V AC (only acc. to IEC/EN 60898-1)
	Max. power frequency recovery voltage (U_{max})	V 1P: 253 V AC; 2P: 440 V AC; 3..4P: 440 V AC (only acc. to IEC/EN 60898-1)
	Min. operating voltage	V 12 V AC - 12 V DC
	Rated short-circuit capacity I_{cn}	kA $\leq 25A$: 25 kA; $>25A$: 15 kA
	Energy limiting class (B, C up to 40 A)	3
	Rated impulse withstand voltage U_{imp} . (1.2/50 μ s)	kV 4 kV (test voltage 6,2 kV at sea level; 5 kV at 2.000 m)
	Dielectric test voltage	kV 2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C 30°C
	Electrical endurance	ops. $I_n < 32A$: 20.000 ops (AC); $I_n \geq 32A$: 10.000 ops. (AC); 1.000 ops (DC) 1 cycle (2s - ON, 13s - OFF, $I_n \leq 32A$), 1 cycle (2s - ON, 28s - OFF, $I_n \geq 32A$)
Data acc. to IEC/EN 60947-2	Rated operational voltage U_e	V 1P: 230 V AC; 1P+N: 230 V AC; 2...4P: 400 V AC; 3P+N: 400 V AC
	Max. power frequency recovery voltage (U_{max})	V 1P: 253 V AC; 1P+N: 253 V AC; 2...4P: 440 V AC; 3P+N: 440 V AC 1P: 72 V DC; 2P: 125 V DC
	Min. operating voltage	V 12 V AC - 12 V DC
	Rated ultimate short-circuit breaking capacity I_{cu}	kA $\leq 25A$: 25 kA; $\geq 32A$: 15 kA
	Rated service short-circuit breaking capacity I_{cs}	kA $\leq 25A$: 12.5 kA; $\geq 32...40A$: 11.2 kA; 50, 63 A: 7.5 kA
	Rated impulse withstand voltage U_{imp} . (1.2/50 μ s)	kV 4 kV (test voltage 6.2 kV at sea level; 5 kV at 2.000 m)
	Dielectric test voltage	kV 2 kV (50/60 Hz, 1 min)
	Reference temperature for tripping characteristics	°C B, C: 55°C; K, Z: 20°C
	Electrical endurance	ops. $I_n < 32A$: 20,000 ops (AC); $I_n \geq 32A$: 10,000 ops. (AC); 1,000 ops (DC) 1 cycle (2s - ON, 13s - OFF, $I_n \leq 32A$), 1 cycle (2s - ON, 28s - OFF, $I_n \geq 32A$)

S200 P			
Mechanical data	Housing		Insulation group I, RAL 7035
	Toggle		Insulation group II, black, sealable
	Contact position indicator		Marking on toggle (I ON / 0 OFF), Real CPI (red ON / green OFF)
	Protection degree acc. to EN 60529		IP20 (also fulfilling the req. acc. to the protection degree IPXXB); IP40 in enclosure with cover
	Mechanical endurance	ops.	20,000 ops.
	Shock resistance acc. to IEC/EN 60068-2-27		30g - 3 shocks - 11 ms
	Vibration resistance acc. to IEC/EN 60068-2-6		5g - 20 cycles at 5...150...5 Hz with load 0,8 In
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	28 cycles with 55°C/90-96% and 25°C/95-100%
	Ambient temperature (with daily average $\leq +35$ °C)	°C	-25 ... +55°C
	Storage temperature	°C	-40 ... +70°C
Installation	Terminal type		failsafe bi-directional cylinder-lift terminal
	Cross-section of conductors (top/bottom)	mm ²	25 mm ² /25 mm ²
		mm ²	16 mm ² /16 mm ²
		AWG	18 - 4 AWG
	Cross-section of busbars	mm ²	10 mm ² /10 mm ²
		AWG	18 - 8 AWG
	Tightening torque	Nm	2.8 Nm
		in-lbs.	25 in-lbs.
	Screwdriver		No. 2 Pozidriv
	Mounting		On DIN-Rail 35mm acc. to EN 60715 by fast clip
	Mounting position		any
Dimensions and weight	Supply		optional
	Mounting dimensions acc. to DIN 43880		Mounting dimension 1
	Pole dimensions (H x D x W)	mm	88 x 69 x 17.5 mm
	Pole weight	g	approx. 125 g
Combination with auxiliary elements	See table pages 4/4 and 4/5		

MCBs

S 200 series P, B characteristic



S 201 P



S 202 P



S 203 P

S 200 P, B characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for people and large length of cables in TN and IT systems.

Standards: IEC/EN 60898-1

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icn=25 kA for 0.5 A ≤ In ≤ 25 A

Icn=15 kA for 32 A ≤ In ≤ 63 A

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	6	589574	S 201 P-B 6	2CDS281001R0065		0.125	10
	10	589581	S 201 P-B 10	2CDS281001R0105		0.125	10
	13	589598	S 201 P-B 13	2CDS281001R0135		0.125	10
	16	589260	S 201 P-B 16	2CDS281001R0165		0.125	10
	20	589604	S 201 P-B 20	2CDS281001R0205		0.125	10
	25	589611	S 201 P-B 25	2CDS281001R0255		0.125	10
	32	589628	S 201 P-B 32	2CDS281001R0325		0.125	10
	40	589635	S 201 P-B 40	2CDS281001R0405		0.125	10
	50	589659	S 201 P-B 50	2CDS281001R0505		0.125	10
	63	589666	S 201 P-B 63	2CDS281001R0635		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	6	589673	S 202 P-B 6	2CDS282001R0065		0.250	5
	10	589680	S 202 P-B 10	2CDS282001R0105		0.250	5
	13	589697	S 202 P-B 13	2CDS282001R0135		0.250	5
	16	589703	S 202 P-B 16	2CDS282001R0165		0.250	5
	20	589710	S 202 P-B 20	2CDS282001R0205		0.250	5
	25	589727	S 202 P-B 25	2CDS282001R0255		0.250	5
	32	589734	S 202 P-B 32	2CDS282001R0325		0.250	5
	40	589741	S 202 P-B 40	2CDS282001R0405		0.250	5
	50	589758	S 202 P-B 50	2CDS282001R0505		0.250	5
	63	589765	S 202 P-B 63	2CDS282001R0635		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
3	6	589772	S 203 P-B 6	2CDS283001R0065		0.375	1
	10	589789	S 203 P-B 10	2CDS283001R0105		0.375	1
	13	589796	S 203 P-B 13	2CDS283001R0135		0.375	1
	16	589802	S 203 P-B 16	2CDS283001R0165		0.375	1
	20	589819	S 203 P-B 20	2CDS283001R0205		0.375	1
	25	589826	S 203 P-B 25	2CDS283001R0255		0.375	1
	32	589833	S 203 P-B 32	2CDS283001R0325		0.375	1
	40	589840	S 203 P-B 40	2CDS283001R0405		0.375	1
	50	589857	S 203 P-B 50	2CDS283001R0505		0.375	1
	63	589864	S 203 P-B 63	2CDS283001R0635		0.375	1



S 204 P



S 201 P NA



S 203 P NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
4	6	589871	S 204 P-B 6	2CDS284001R0065		0.500	1
	10	589888	S 204 P-B 10	2CDS284001R0105		0.500	1
	13	589895	S 204 P-B 13	2CDS284001R0135		0.500	1
	16	589901	S 204 P-B 16	2CDS284001R0165		0.500	1
	20	589918	S 204 P-B 20	2CDS284001R0205		0.500	1
	25	589925	S 204 P-B 25	2CDS284001R0255		0.500	1
	32	589932	S 204 P-B 32	2CDS284001R0325		0.500	1
	40	589949	S 204 P-B 40	2CDS284001R0405		0.500	1
	50	589956	S 204 P-B 50	2CDS284001R0505		0.500	1
	63	589963	S 204 P-B 63	2CDS284001R0635		0.500	1

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
1+NA	6	589970	S 201 P-B 6 NA	2CDS281103R0065		0.250	5
	10	589987	S 201 P-B 10 NA	2CDS281103R0105		0.250	5
	13	589994	S 201 P-B 13 NA	2CDS281103R0135		0.250	5
	16	590006	S 201 P-B 16 NA	2CDS281103R0165		0.250	5
	20	590013	S 201 P-B 20 NA	2CDS281103R0205		0.250	5
	25	590020	S 201 P-B 25 NA	2CDS281103R0255		0.250	5
	32	590037	S 201 P-B 32 NA	2CDS281103R0325		0.250	5
	40	590044	S 201 P-B 40 NA	2CDS281103R0405		0.250	5
	50	590051	S 201 P-B 50 NA	2CDS281103R0505		0.250	5
	63	590068	S 201 P-B 63 NA	2CDS281103R0635		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3+NA	6	590075	S 203 P-B 6 NA	2CDS283103R0065		0.500	1
	10	590082	S 203 P-B 10 NA	2CDS283103R0105		0.500	1
	13	590099	S 203 P-B 13 NA	2CDS283103R0135		0.500	1
	16	590105	S 203 P-B 16 NA	2CDS283103R0165		0.500	1
	20	590112	S 203 P-B 20 NA	2CDS283103R0205		0.500	1
	25	590129	S 203 P-B 25 NA	2CDS283103R0255		0.500	1
	32	590136	S 203 P-B 32 NA	2CDS283103R0325		0.500	1
	40	590143	S 203 P-B 40 NA	2CDS283103R0405		0.500	1
	50	590150	S 203 P-B 50 NA	2CDS283103R0505		0.500	1
	63	590167	S 203 P-B 63 NA	2CDS283103R0635		0.500	1

MCBs

S 200 series P, C characteristic



S 201 P



S 202 P

S 200 P, C characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

Standards: IEC/EN 60898-1

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icn=25 kA for 0.5 A≤In≤25 A

Icn=15 kA for 32 A≤In≤63 A

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	590174	S 201 P-C 0.5	2CDS281001R0984		0.125	10
	1	590181	S 201 P-C 1	2CDS281001R0014		0.125	10
	1,6	590198	S 201 P-C 1.6	2CDS281001R0974		0.125	10
	2	590204	S 201 P-C 2	2CDS281001R0024		0.125	10
	3	590211	S 201 P-C 3	2CDS281001R0034		0.125	10
	4	590228	S 201 P-C 4	2CDS281001R0044		0.125	10
	6	590235	S 201 P-C 6	2CDS281001R0064		0.125	10
	8	590242	S 201 P-C 8	2CDS281001R0084		0.125	10
	10	590259	S 201 P-C 10	2CDS281001R0104		0.125	10
	13	590266	S 201 P-C 13	2CDS281001R0134		0.125	10
	16	590273	S 201 P-C 16	2CDS281001R0164		0.125	10
	20	590280	S 201 P-C 20	2CDS281001R0204		0.125	10
	25	590297	S 201 P-C 25	2CDS281001R0254		0.125	10
	32	590303	S 201 P-C 32	2CDS281001R0324		0.125	10
	40	590310	S 201 P-C 40	2CDS281001R0404		0.125	10
	50	590327	S 201 P-C 50	2CDS281001R0504		0.125	10
	63	590334	S 201 P-C 63	2CDS281001R0634		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.5	590341	S 202 P-C 0.5	2CDS282001R0984		0.250	5
	1	590358	S 202 P-C 1	2CDS282001R0014		0.250	5
	1.6	590365	S 202 P-C 1.6	2CDS282001R0974		0.250	5
	2	590372	S 202 P-C 2	2CDS282001R0024		0.250	5
	3	590389	S 202 P-C 3	2CDS282001R0034		0.250	5
	4	590396	S 202 P-C 4	2CDS282001R0044		0.250	5
	6	590402	S 202 P-C 6	2CDS282001R0064		0.250	5
	8	590419	S 202 P-C 8	2CDS282001R0084		0.250	5
	10	590426	S 202 P-C 10	2CDS282001R0104		0.250	5
	13	590433	S 202 P-C 13	2CDS282001R0134		0.250	5
	16	590440	S 202 P-C 16	2CDS282001R0164		0.250	5
	20	590457	S 202 P-C 20	2CDS282001R0204		0.250	5
	25	590464	S 202 P-C 25	2CDS282001R0254		0.250	5
	32	590471	S 202 P-C 32	2CDS282001R0324		0.250	5
	40	590488	S 202 P-C 40	2CDS282001R0404		0.250	5
	50	590495	S 202 P-C 50	2CDS282001R0504		0.250	5
	63	590501	S 202 P-C 63	2CDS 282 001 R0634		0.250	5



S 203 P



S 204 P

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	590518	S 203 P-C 0.5	2CDS283001R0984		0.375	1
	1	590525	S 203 P-C 1	2CDS283001R0014		0.375	1
	1.6	590532	S 203 P-C 1.6	2CDS283001R0974		0.375	1
	2	590549	S 203 P-C 2	2CDS283001R0024		0.375	1
	3	590556	S 203 P-C 3	2CDS283001R0034		0.375	1
	4	590563	S 203 P-C 4	2CDS283001R0044		0.375	1
	6	590570	S 203 P-C 6	2CDS283001R0064		0.375	1
	8	590587	S 203 P-C 8	2CDS283001R0084		0.375	1
	10	590594	S 203 P-C 10	2CDS283001R0104		0.375	1
	13	590600	S 203 P-C 13	2CDS283001R0134		0.375	1
	16	590617	S 203 P-C 16	2CDS283001R0164		0.375	1
	20	590624	S 203 P-C 20	2CDS283001R0204		0.375	1
	25	590631	S 203 P-C 25	2CDS283001R0254		0.375	1
	32	590648	S 203 P-C 32	2CDS283001R0324		0.375	1
	40	590655	S 203 P-C 40	2CDS283001R0404		0.375	1
	50	590662	S 203 P-C 50	2CDS283001R0504		0.375	1
	63	590679	S 203 P-C 63	2CDS283001R0634		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	590686	S 204 P-C 0.5	2CDS284001R0984		0.500	1
	1	590693	S 204 P-C 1	2CDS284001R0014		0.500	1
	1.6	590709	S 204 P-C 1.6	2CDS284001R0974		0.500	1
	2	590716	S 204 P-C 2	2CDS284001R0024		0.500	1
	3	590723	S 204 P-C 3	2CDS284001R0034		0.500	1
	4	590730	S 204 P-C 4	2CDS284001R0044		0.500	1
	6	590747	S 204 P-C 6	2CDS284001R0064		0.500	1
	8	590754	S 204 P-C 8	2CDS284001R0084		0.500	1
	10	590761	S 204 P-C 10	2CDS284001R0104		0.500	1
	13	590778	S 204 P-C 13	2CDS284001R0134		0.500	1
	16	590785	S 204 P-C 16	2CDS284001R0164		0.500	1
	20	590792	S 204 P-C 20	2CDS284001R0204		0.500	1
	25	590808	S 204 P-C 25	2CDS284001R0254		0.500	1
	32	590815	S 204 P-C 32	2CDS284001R0324		0.500	1
	40	590822	S 204 P-C 40	2CDS284001R0404		0.500	1
	50	590839	S 204 P-C 50	2CDS284001R0504		0.500	1
	63	590846	S 204 P-C 63	2CDS284001R0634		0.500	1

MCBs

S 200 series P, C characteristic



S 201 P NA



S 203 P NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1+NA	0.5	590853	S 201 P-C 0.5 NA	2CDS281103R0984		0.250	5
	1	590860	S 201 P-C 1 NA	2CDS281103R0014		0.250	5
	1.6	590877	S 201 P-C 1.6 NA	2CDS281103R0974		0.250	5
	2	590884	S 201 P-C 2 NA	2CDS281103R0024		0.250	5
	3	590891	S 201 P-C 3 NA	2CDS281103R0034		0.250	5
	4	590907	S 201 P-C 4 NA	2CDS281103R0044		0.250	5
	6	590914	S 201 P-C 6 NA	2CDS281103R0064		0.250	5
	8	590921	S 201 P-C 8 NA	2CDS281103R0084		0.250	5
	10	590938	S 201 P-C 10 NA	2CDS281103R0104		0.250	5
	13	590945	S 201 P-C 13 NA	2CDS281103R0134		0.250	5
	16	590952	S 201 P-C 16 NA	2CDS281103R0164		0.250	5
	20	590969	S 201 P-C 20 NA	2CDS281103R0204		0.250	5
	25	590976	S 201 P-C 25 NA	2CDS281103R0254		0.250	5
	32	590983	S 201 P-C 32 NA	2CDS281103R0324		0.250	5
	40	590990	S 201 P-C 40 NA	2CDS281103R0404		0.250	5
	50	591003	S 201 P-C 50 NA	2CDS281103R0504		0.250	5
	63	591010	S 201 P-C 63 NA	2CDS281103R0634		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
3+NA	0.5	591027	S 203 P-C 0.5 NA	2CDS283103R0984		0.500	1
	1	591034	S 203 P-C 1 NA	2CDS283103R0014		0.500	1
	1.6	591041	S 203 P-C 1.6 NA	2CDS283103R0974		0.500	1
	2	591058	S 203 P-C 2 NA	2CDS283103R0024		0.500	1
	3	591065	S 203 P-C 3 NA	2CDS283103R0034		0.500	1
	4	591072	S 203 P-C 4 NA	2CDS283103R0044		0.500	1
	6	591089	S 203 P-C 6 NA	2CDS283103R0064		0.500	1
	8	591096	S 203 P-C 8 NA	2CDS283103R0084		0.500	1
	10	591102	S 203 P-C 10 NA	2CDS283103R0104		0.500	1
	13	591119	S 203 P-C 13 NA	2CDS283103R0134		0.500	1
	16	591126	S 203 P-C 16 NA	2CDS283103R0164		0.500	1
	20	591133	S 203 P-C 20 NA	2CDS283103R0204		0.500	1
	25	591140	S 203 P-C 25 NA	2CDS283103R0254		0.500	1
	32	591157	S 203 P-C 32 NA	2CDS283103R0324		0.500	1
	40	591164	S 203 P-C 40 NA	2CDS283103R0404		0.500	1
	50	591171	S 203 P-C 50 NA	2CDS283103R0504		0.500	1
	63	591188	S 203 P-C 63 NA	2CDS283103R0634		0.500	1

MCBs

S 200 series P, D characteristic



S 201 P



S 202 P

S 200 P, D characteristic

Function: protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV trans-

formers, breakdown lamps).

Standards: IEC/EN 60898-1

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icn=25 kA for 0.5 A ≤ In ≤ 25 A

Icn=15 kA for 32 A ≤ In ≤ 63 A

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.5	591195	S 201 P-D 0.5	2CDS281001R0981		0.125	10
	1	591201	S 201 P-D 1	2CDS281001R0011		0.125	10
	1.6	591218	S 201 P-D 1.6	2CDS281001R0971		0.125	10
	2	591225	S 201 P-D 2	2CDS281001R0021		0.125	10
	3	591232	S 201 P-D 3	2CDS281001R0031		0.125	10
	4	591249	S 201 P-D 4	2CDS281001R0041		0.125	10
	6	591256	S 201 P-D 6	2CDS281001R0061		0.125	10
	8	591263	S 201 P-D 8	2CDS281001R0081		0.125	10
	10	591270	S 201 P-D 10	2CDS281001R0101		0.125	10
	13	591287	S 201 P-D 13	2CDS281001R0131		0.125	10
	16	591294	S 201 P-D 16	2CDS281001R0161		0.125	10
	20	591300	S 201 P-D 20	2CDS281001R0201		0.125	10
	25	591317	S 201 P-D 25	2CDS281001R0251		0.125	10
	32	591324	S 201 P-D 32	2CDS281001R0321		0.125	10
	40	591331	S 201 P-D 40	2CDS281001R0401		0.125	10
	50	591348	S 201 P-D 50	2CDS281001R0501		0.125	10
	63	591355	S 201 P-D 63	2CDS281001R0631		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	0.5	591362	S 202 P-D 0.5	2CDS282001R0981		0.250	5
	1	591379	S 202 P-D 1	2CDS282001R0011		0.250	5
	1.6	591386	S 202 P-D 1.6	2CDS282001R0971		0.250	5
	2	591393	S 202 P-D 2	2CDS282001R0021		0.250	5
	3	591409	S 202 P-D 3	2CDS282001R0031		0.250	5
	4	591416	S 202 P-D 4	2CDS282001R0041		0.250	5
	6	591423	S 202 P-D 6	2CDS282001R0061		0.250	5
	8	591430	S 202 P-D 8	2CDS282001R0081		0.250	5
	10	591447	S 202 P-D 10	2CDS282001R0101		0.250	5
	13	591454	S 202 P-D 13	2CDS282001R0131		0.250	5
	16	591461	S 202 P-D 16	2CDS282001R0161		0.250	5
	20	591478	S 202 P-D 20	2CDS282001R0201		0.250	5
	25	591485	S 202 P-D 25	2CDS282001R0251		0.250	5
	32	591492	S 202 P-D 32	2CDS282001R0321		0.250	5
	40	591508	S 202 P-D 40	2CDS282001R0401		0.250	5
	50	591515	S 202 P-D 50	2CDS282001R0501		0.250	5
	63	591522	S 202 P-D 63	2CDS282001R0631		0.250	5

MCBs

S 200 series P, D characteristic



S 203 P



S 204 P

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	591539	S 203 P-D 0.5	2CDS283001R0981		0.375	1
	1	591546	S 203 P-D 1	2CDS283001R0011		0.375	1
	1.6	591553	S 203 P-D 1.6	2CDS283001R0971		0.375	1
	2	591560	S 203 P-D 2	2CDS283001R0021		0.375	1
	3	591577	S 203 P-D 3	2CDS283001R0031		0.375	1
	4	591584	S 203 P-D 4	2CDS283001R0041		0.375	1
	6	591591	S 203 P-D 6	2CDS283001R0061		0.375	1
	8	591607	S 203 P-D 8	2CDS283001R0081		0.375	1
	10	591614	S 203 P-D 10	2CDS283001R0101		0.375	1
	13	591621	S 203 P-D 13	2CDS283001R0131		0.375	1
	16	591638	S 203 P-D 16	2CDS283001R0161		0.375	1
	20	591645	S 203 P-D 20	2CDS283001R0201		0.375	1
	25	591652	S 203 P-D 25	2CDS283001R0251		0.375	1
	32	591669	S 203 P-D 32	2CDS283001R0321		0.375	1
	40	591676	S 203 P-D 40	2CDS283001R0401		0.375	1
	50	591683	S 203 P-D50	2CDS283001R0501		0.375	1
	63	591690	S 203 P-D63	2CDS283001R0631		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	591706	S 204 P-D 0.5	2CDS284001R0981		0.500	1
	1	591713	S 204 P-D 1	2CDS284001R0011		0.500	1
	1.6	591720	S 204 P-D 1.6	2CDS284001R0971		0.500	1
	2	591737	S 204 P-D 2	2CDS284001R0021		0.500	1
	3	591744	S 204 P-D 3	2CDS284001R0031		0.500	1
	4	591751	S 204 P-D 4	2CDS284001R0041		0.500	1
	6	591768	S 204 P-D 6	2CDS284001R0061		0.500	1
	8	591775	S 204 P-D 8	2CDS284001R0081		0.500	1
	10	591782	S 204 P-D 10	2CDS284001R0101		0.500	1
	13	591799	S 204 P-D 13	2CDS284001R0131		0.500	1
	16	591805	S 204 P-D 16	2CDS284001R0161		0.500	1
	20	591812	S 204 P-D 20	2CDS284001R0201		0.500	1
	25	591829	S 204 P-D 25	2CDS284001R0251		0.500	1
	32	591836	S 204 P-D 32	2CDS284001R0321		0.500	1
	40	591843	S 204 P-D 40	2CDS284001R0401		0.500	1
	50	591850	S 204 P-D 50	2CDS284001R0501		0.500	1
	63	591867	S 204 P-D 63	2CDS284001R0631		0.500	1



S 201 P NA



S 203 P NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
			Type code	Order code		kg	pc.
1+NA	0.5	591874	S 201 P-D 0.5 NA	2CDS281103R0981		0.250	5
	1	591881	S 201 P-D 1 NA	2CDS281103R0011		0.250	5
	1.6	591898	S 201 P-D 1.6 NA	2CDS281103R0971		0.250	5
	2	591904	S 201 P-D 2 NA	2CDS281103R0021		0.250	5
	3	591911	S 201 P-D 3 NA	2CDS281103R0031		0.250	5
	4	591928	S 201 P-D 4 NA	2CDS281103R0041		0.250	5
	6	591935	S 201 P-D 6 NA	2CDS281103R0061		0.250	5
	8	591942	S 201 P-D 8 NA	2CDS281103R0081		0.250	5
	10	591959	S 201 P-D 10 NA	2CDS281103R0101		0.250	5
	13	591966	S 201 P-D 13 NA	2CDS281103R0131		0.250	5
	16	591973	S 201 P-D 16 NA	2CDS281103R0161		0.250	5
	20	591980	S 201 P-D 20 NA	2CDS281103R0201		0.250	5
	25	591997	S 201 P-D 25 NA	2CDS281103R0251		0.250	5
	32	592000	S 201 P-D 32 NA	2CDS281103R0321		0.250	5
	40	592017	S 201 P-D 40 NA	2CDS281103R0401		0.250	5
	50	592024	S 201 P-D 50 NA	2CDS281103R0501		0.250	5
	63	592031	S 201 P-D 63 NA	2CDS281103R0631		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
			Type code	Order code		kg	pc.
3+NA	0.5	592048	S 203 P-D 0.5 NA	2CDS283103R0981		0.500	1
	1	592055	S 203 P-D 1 NA	2CDS283103R0011		0.500	1
	1.6	592062	S 203 P-D 1.6 NA	2CDS283103R0971		0.500	1
	2	592079	S 203 P-D 2 NA	2CDS283103R0021		0.500	1
	3	592086	S 203 P-D 3 NA	2CDS283103R0031		0.500	1
	4	592093	S 203 P-D 4 NA	2CDS283103R0041		0.500	1
	6	592109	S 203 P-D 6 NA	2CDS283103R0061		0.500	1
	8	592116	S 203 P-D 8 NA	2CDS283103R0081		0.500	1
	10	592123	S 203 P-D 10 NA	2CDS283103R0101		0.500	1
	13	592130	S 203 P-D 13 NA	2CDS283103R0131		0.500	1
	16	592147	S 203 P-D 16 NA	2CDS283103R0161		0.500	1
	20	592154	S 203 P-D 20 NA	2CDS283103R0201		0.500	1
	25	592161	S 203 P-D 25 NA	2CDS283103R0251		0.500	1
	32	592178	S 203 P-D 32 NA	2CDS283103R0321		0.500	1
	40	592185	S 203 P-D 40 NA	2CDS283103R0401		0.500	1
	50	592192	S 203 P-D 50 NA	2CDS283103R0501		0.500	1
	63	592208	S 203 P-D 63 NA	2CDS283103R0631		0.500	1

MCBs

S 200 series P, K characteristic



S 201 P

S 200 P, K (power) characteristic

Function: protection and control of the circuits like motors, transformers and auxiliary circuits, against overloads and short-circuits.
Advantages: no nuisance tripping in the case of functional peak currents up to 10xIn, depending on the series; through its highly sensitive thermostatic bimetal trip, the K-type characteristic offers protection to damageable elements in the overcurrent range; it also provides the best protection to cables and lines.

Standards: IEC/EN 60947-2
Hazard level R26/HL3 according to EN 45545
Category 1 - Class A/B (Body mounted) according to IEC 61373
Icu=25 kA for 0.5 A≤In≤25 A; Icu=15 kA for 32 A≤In≤63 A

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	0.2	592215	S 201 P-K 0.2	2CDS281001R0087		0.125	10
	0.3	592222	S 201 P-K 0.3	2CDS281001R0117		0.125	10
	0.5	592239	S 201 P-K 0.5	2CDS281001R0157		0.125	10
	0.75	592246	S 201 P-K 0.75	2CDS281001R0187		0.125	10
	1	592253	S 201 P-K 1	2CDS281001R0217		0.125	10
	1.6	592260	S 201 P-K 1.6	2CDS281001R0257		0.125	10
	2	592277	S 201 P-K 2	2CDS281001R0277		0.125	10
	3	592284	S 201 P-K 3	2CDS281001R0317		0.125	10
	4	592291	S 201 P-K 4	2CDS281001R0337		0.125	10
	6	592307	S 201 P-K 6	2CDS281001R0377		0.125	10
	8	592314	S 201 P-K 8	2CDS281001R0407		0.125	10
	10	592321	S 201 P-K 10	2CDS281001R0427		0.125	10
	13	592338	S 201 P-K 13	2CDS281001R0447		0.125	10
	16	592345	S 201 P-K 16	2CDS281001R0467		0.125	10
	20	592352	S 201 P-K 20	2CDS281001R0487		0.125	10
	25	592369	S 201 P-K 25	2CDS281001R0517		0.125	10
	32	592376	S 201 P-K 32	2CDS281001R0537		0.125	10
	40	592383	S 201 P-K 40	2CDS281001R0557		0.125	10
	50	592390	S 201 P-K 50	2CDS281001R0577		0.125	10
	63	592406	S 201 P-K 63	2CDS281001R0607		0.125	10



S 202 P



S 203 P

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
2	In A	EAN				kg	pc.
	0.2	592413	S 202 P-K 0.2	2CDS282001R0087		0.250	5
	0.3	592420	S 202 P-K 0.3	2CDS282001R0117		0.250	5
	0.5	592437	S 202 P-K 0.5	2CDS282001R0157		0.250	5
	0.75	592444	S 202 P-K 0.75	2CDS282001R0187		0.250	5
	1	592451	S 202 P-K 1	2CDS282001R0217		0.250	5
	1.6	592468	S 202 P-K 1.6	2CDS282001R0257		0.250	5
	2	592475	S 202 P-K 2	2CDS282001R0277		0.250	5
	3	592482	S 202 P-K 3	2CDS282001R0317		0.250	5
	4	592499	S 202 P-K 4	2CDS282001R0337		0.250	5
	6	592505	S 202 P-K 6	2CDS282001R0377		0.250	5
	8	592512	S 202 P-K 8	2CDS282001R0407		0.250	5
	10	592529	S 202 P-K 10	2CDS282001R0427		0.250	5
	13	592536	S 202 P-K 13	2CDS282001R0447		0.250	5
	16	592543	S 202 P-K 16	2CDS282001R0467		0.250	5
	20	592550	S 202 P-K 20	2CDS282001R0487		0.250	5
	25	592567	S 202 P-K 25	2CDS282001R0517		0.250	5
	32	592574	S 202 P-K 32	2CDS282001R0537		0.250	5
	40	592581	S 202 P-K 40	2CDS282001R0557		0.250	5
	50	592598	S 202 P-K 50	2CDS282001R0577		0.250	5
	63	592604	S 202 P-K 63	2CDS282001R0607		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3	In A	EAN				kg	pc.
	0.2	592611	S 203 P-K 0.2	2CDS283001R0087		0.375	1
	0.3	592628	S 203 P-K 0.3	2CDS283001R0117		0.375	1
	0.5	592635	S 203 P-K 0.5	2CDS283001R0157		0.375	1
	0.75	592642	S 203 P-K 0.75	2CDS283001R0187		0.375	1
	1	592659	S 203 P-K 1	2CDS283001R0217		0.375	1
	1.6	592666	S 203 P-K 1.6	2CDS283001R0257		0.375	1
	2	592673	S 203 P-K 2	2CDS283001R0277		0.375	1
	3	592680	S 203 P-K 3	2CDS283001R0317		0.375	1
	4	592697	S 203 P-K 4	2CDS283001R0337		0.375	1
	6	592703	S 203 P-K 6	2CDS283001R0377		0.375	1
	8	592710	S 203 P-K 8	2CDS283001R0407		0.375	1
	10	592727	S 203 P-K 10	2CDS283001R0427		0.375	1
	13	592734	S 203 P-K 13	2CDS283001R0447		0.375	1
	16	592741	S 203 P-K 16	2CDS283001R0467		0.375	1
	20	592758	S 203 P-K 20	2CDS283001R0487		0.375	1
	25	592765	S 203 P-K 25	2CDS283001R0517		0.375	1
	32	592772	S 203 P-K 32	2CDS283001R0537		0.375	1
	40	592789	S 203 P-K 40	2CDS283001R0557		0.375	1
	50	592796	S 203 P-K 50	2CDS283001R0577		0.375	1
	63	592802	S 203 P-K 63	2CDS283001R0607		0.375	1

MCBs

S 200 series P, K characteristic



S 204 P



S 201 P NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.2	592819	S 204 P-K 0.2	2CDS284001R0087		0.500	1
	0.3	592826	S 204 P-K 0.3	2CDS284001R0117		0.500	1
	0.5	592833	S 204 P-K 0.5	2CDS284001R0157		0.500	1
	0.75	592840	S 204 P-K 0.75	2CDS284001R0187		0.500	1
	1	592857	S 204 P-K 1	2CDS284001R0217		0.500	1
	1.6	592864	S 204 P-K 1.6	2CDS284001R0257		0.500	1
	2	592871	S 204 P-K 2	2CDS284001R0277		0.500	1
	3	592888	S 204 P-K 3	2CDS284001R0317		0.500	1
	4	592895	S 204 P-K 4	2CDS284001R0337		0.500	1
	6	592901	S 204 P-K 6	2CDS284001R0377		0.500	1
	8	592918	S 204 P-K 8	2CDS284001R0407		0.500	1
	10	592925	S 204 P-K 10	2CDS284001R0427		0.500	1
	13	592932	S 204 P-K 13	2CDS284001R0447		0.500	1
	16	592949	S 204 P-K 16	2CDS284001R0467		0.500	1
	20	592956	S 204 P-K 20	2CDS284001R0487		0.500	1
	25	592963	S 204 P-K 25	2CDS284001R0517		0.500	1
	32	592970	S 204 P-K 32	2CDS284001R0537		0.500	1
	40	592987	S 204 P-K 40	2CDS284001R0557		0.500	1
	50	592994	S 204 P-K 50	2CDS284001R0577		0.500	1
	63	593007	S 204 P-K 63	2CDS284001R0607		0.500	1

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1+NA	0.2	593014	S 201 P-K 0.2 NA	2CDS281103R0087		0.250	5
	0.3	593021	S 201 P-K 0.3 NA	2CDS281103R0117		0.250	5
	0.5	593038	S 201 P-K 0.5 NA	2CDS281103R0157		0.250	5
	0.75	593045	S 201 P-K 0.75 NA	2CDS281103R0187		0.250	5
	1	593052	S 201 P-K 1 NA	2CDS281103R0217		0.250	5
	1.6	593069	S 201 P-K 1.6 NA	2CDS281103R0257		0.250	5
	2	593076	S 201 P-K 2 NA	2CDS281103R0277		0.250	5
	3	593083	S 201 P-K 3 NA	2CDS281103R0317		0.250	5
	4	593090	S 201 P-K 4 NA	2CDS281103R0337		0.250	5
	6	593106	S 201 P-K 6 NA	2CDS281103R0377		0.250	5
	8	593113	S 201 P-K 8 NA	2CDS281103R0407		0.250	5
	10	593120	S 201 P-K 10 NA	2CDS281103R0427		0.250	5
	13	593137	S 201 P-K 13 NA	2CDS281103R0447		0.250	5
	16	593144	S 201 P-K 16 NA	2CDS281103R0467		0.250	5
	20	593151	S 201 P-K 20 NA	2CDS281103R0487		0.250	5
	25	593168	S 201 P-K 25 NA	2CDS281103R0517		0.250	5
	32	593175	S 201 P-K 32 NA	2CDS281103R0537		0.250	5
	40	593182	S 201 P-K 40 NA	2CDS281103R0557		0.250	5
	50	593199	S 201 P-K 50 NA	2CDS281103R0577		0.250	5
	63	593205	S 201 P-K 63 NA	2CDS281103R0607		0.250	5



S 203 P NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
3+NA	In A	EAN				kg	pc.
	0.2	593212	S 203 P-K 0.2 NA	2CDS283103R0087		0.500	2
	0.3	593229	S 203 P-K 0.3 NA	2CDS283103R0117		0.500	2
	0.5	593236	S 203 P-K 0.5 NA	2CDS283103R0157		0.500	2
	0.75	593243	S 203 P-K 0.75 NA	2CDS283103R0187		0.500	2
	1	593250	S 203 P-K 1 NA	2CDS283103R0217		0.500	2
	1.6	593267	S 203 P-K 1.6 NA	2CDS283103R0257		0.500	2
	2	593274	S 203 P-K 2 NA	2CDS283103R0277		0.500	2
	3	593281	S 203 P-K 3 NA	2CDS283103R0317		0.500	2
	4	593298	S 203 P-K 4 NA	2CDS283103R0337		0.500	2
	6	593304	S 203 P-K 6 NA	2CDS283103R0377		0.500	2
	8	593311	S 203 P-K 8 NA	2CDS283103R0407		0.500	2
	10	593328	S 203 P-K 10 NA	2CDS283103R0427		0.500	2
	13	593335	S 203 P-K 13 NA	2CDS283103R0447		0.500	2
	16	593342	S 203 P-K 16 NA	2CDS283103R0467		0.500	2
	20	593359	S 203 P-K 20 NA	2CDS283103R0487		0.500	2
	25	593366	S 203 P-K 25 NA	2CDS283103R0517		0.500	2
	32	593373	S 203 P-K 32 NA	2CDS283103R0537		0.500	2
	40	593380	S 203 P-K 40 NA	2CDS283103R0557		0.500	2
	50	593397	S 203 P-K 50 NA	2CDS283103R0577		0.500	2
	63	593403	S 203 P-K 63 NA	2CDS283103R0607		0.500	2

MCBs

S 200 series P, Z characteristic



S 201 P



S 202 P

S 200 P, Z characteristic

Function: protection and control of the electronic circuits against lower and long duration overloads and short-circuits.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class A/B (Body mounted) according to IEC 61373

Icu=25 kA for 0.5 A ≤ In ≤ 25 A; Icu=15 kA for 32 A ≤ In ≤ 63 A

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
1	0.5	593410	S 201 P-Z 0.5	2CDS281001R0158		0.125	10
	1	593427	S 201 P-Z 1	2CDS281001R0218		0.125	10
	1.6	593434	S 201 P-Z 1.6	2CDS281001R0258		0.125	10
	2	593441	S 201 P-Z 2	2CDS281001R0278		0.125	10
	3	593458	S 201 P-Z 3	2CDS281001R0318		0.125	10
	4	593465	S 201 P-Z 4	2CDS281001R0338		0.125	10
	6	593472	S 201 P-Z 6	2CDS281001R0378		0.125	10
	8	593489	S 201 P-Z 8	2CDS281001R0408		0.125	10
	10	593496	S 201 P-Z 10	2CDS281001R0428		0.125	10
	16	593502	S 201 P-Z 16	2CDS281001R0468		0.125	10
	20	593519	S 201 P-Z 20	2CDS281001R0488		0.125	10
	25	593526	S 201 P-Z 25	2CDS281001R0518		0.125	10
	32	593533	S 201 P-Z 32	2CDS281001R0538		0.125	10
	40	593540	S 201 P-Z 40	2CDS281001R0558		0.125	10
	50	593557	S 201 P-Z 50	2CDS281001R0578		0.125	10
	63	593564	S 201 P-Z 63	2CDS281001R0608		0.125	10

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
2	0.5	593571	S 202 P-Z 0.5	2CDS282001R0158		0.250	5
	1	593588	S 202 P-Z 1	2CDS282001R0218		0.250	5
	1.6	593595	S 202 P-Z 1.6	2CDS282001R0258		0.250	5
	2	593601	S 202 P-Z 2	2CDS282001R0278		0.250	5
	3	593618	S 202 P-Z 3	2CDS282001R0318		0.250	5
	4	593625	S 202 P-Z 4	2CDS282001R0338		0.250	5
	6	593632	S 202 P-Z 6	2CDS282001R0378		0.250	5
	8	593649	S 202 P-Z 8	2CDS282001R0408		0.250	5
	10	593656	S 202 P-Z 10	2CDS282001R0428		0.250	5
	16	593663	S 202 P-Z 16	2CDS282001R0468		0.250	5
	20	593670	S 202 P-Z 20	2CDS282001R0488		0.250	5
	25	593687	S 202 P-Z 25	2CDS282001R0518		0.250	5
	32	593694	S 202 P-Z 32	2CDS282001R0538		0.250	5
	40	593700	S 202 P-Z 40	2CDS282001R0558		0.250	5
	50	593717	S 202 P-Z 50	2CDS282001R0578		0.250	5
	63	593724	S 202 P-Z 63	2CDS282001R0608		0.250	5



S 203 P



S 204 P

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	0.5	593731	S 203 P-Z 0.5	2CDS283001R0158		0.375	1
	1	593748	S 203 P-Z 1	2CDS283001R0218		0.375	1
	1.6	593755	S 203 P-Z 1.6	2CDS283001R0258		0.375	1
	2	593762	S 203 P-Z 2	2CDS283001R0278		0.375	1
	3	593779	S 203 P-Z 3	2CDS283001R0318		0.375	1
	4	593786	S 203 P-Z 4	2CDS283001R0338		0.375	1
	6	593793	S 203 P-Z 6	2CDS283001R0378		0.375	1
	8	593809	S 203 P-Z 8	2CDS283001R0408		0.375	1
	10	593816	S 203 P-Z 10	2CDS283001R0428		0.375	1
	16	593823	S 203 P-Z 16	2CDS283001R0468		0.375	1
	20	593830	S 203 P-Z 20	2CDS283001R0488		0.375	1
	25	593847	S 203 P-Z 25	2CDS283001R0518		0.375	1
	32	593854	S 203 P-Z 32	2CDS283001R0538		0.375	1
	40	593861	S 203 P-Z 40	2CDS283001R0558		0.375	1
	50	593878	S 203 P-Z 50	2CDS283001R0578		0.375	1
	63	593885	S 203 P-Z 63	2CDS283001R0608		0.375	1

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	0.5	593892	S 204 P-Z 0.5	2CDS284001R0158		0.500	1
	1	593908	S 204 P-Z 1	2CDS284001R0218		0.500	1
	1.6	593915	S 204 P-Z 1.6	2CDS284001R0258		0.500	1
	2	593922	S 204 P-Z 2	2CDS284001R0278		0.500	1
	3	593939	S 204 P-Z 3	2CDS284001R0318		0.500	1
	4	593946	S 204 P-Z 4	2CDS284001R0338		0.500	1
	6	593953	S 204 P-Z 6	2CDS284001R0378		0.500	1
	8	593960	S 204 P-Z 8	2CDS284001R0408		0.500	1
	10	593977	S 204 P-Z 10	2CDS284001R0428		0.500	1
	16	593984	S 204 P-Z 16	2CDS284001R0468		0.500	1
	20	593991	S 204 P-Z 20	2CDS284001R0488		0.500	1
	25	594004	S 204 P-Z 25	2CDS284001R0518		0.500	1
	32	594011	S 204 P-Z 32	2CDS284001R0538		0.500	1
	40	594028	S 204 P-Z 40	2CDS284001R0558		0.500	1
	50	594035	S 204 P-Z 50	2CDS284001R0578		0.500	1
	63	594042	S 204 P-Z 63	2CDS284001R0608		0.500	1

MCBs

S 200 series P, Z characteristic



S 201 P NA



S 203 P NA

With disconnecting neutral NA

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1+NA	0.5	594059	S 201 P-Z 0.5 NA	2CDS281103R0158		0.250	5
	1	594066	S 201 P-Z 1 NA	2CDS281103R0218		0.250	5
	1.6	594073	S 201 P-Z 1.6 NA	2CDS281103R0258		0.250	5
	2	594080	S 201 P-Z 2 NA	2CDS281103R0278		0.250	5
	3	594097	S 201 P-Z 3 NA	2CDS281103R0318		0.250	5
	4	594103	S 201 P-Z 4 NA	2CDS281103R0338		0.250	5
	6	594110	S 201 P-Z 6 NA	2CDS281103R0378		0.250	5
	8	594127	S 201 P-Z 8 NA	2CDS281103R0408		0.250	5
	10	594134	S 201 P-Z 10 NA	2CDS281103R0428		0.250	5
	16	594141	S 201 P-Z 16 NA	2CDS281103R0468		0.250	5
	20	594158	S 201 P-Z 20 NA	2CDS281103R0488		0.250	5
	25	594165	S 201 P-Z 25 NA	2CDS281103R0518		0.250	5
	32	594172	S 201 P-Z 32 NA	2CDS281103R0538		0.250	5
	40	594189	S 201 P-Z 40 NA	2CDS281103R0558		0.250	5
	50	594196	S 201 P-Z 50 NA	2CDS281103R0578		0.250	5
	63	594202	S 201 P-Z 63 NA	2CDS281103R0608		0.250	5

Number of poles	Rated current	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
3+NA	0.5	594219	S 203 P-Z 0.5 NA	2CDS283103R0158		0.500	1
	1	594226	S 203 P-Z 1 NA	2CDS283103R0218		0.500	1
	1.6	594233	S 203 P-Z 1.6 NA	2CDS283103R0258		0.500	1
	2	594240	S 203 P-Z 2 NA	2CDS283103R0278		0.500	1
	3	594257	S 203 P-Z 3 NA	2CDS283103R0318		0.500	1
	4	594264	S 203 P-Z 4 NA	2CDS283103R0338		0.500	1
	6	594271	S 203 P-Z 6 NA	2CDS283103R0378		0.500	1
	8	594288	S 203 P-Z 8 NA	2CDS283103R0408		0.500	1
	10	594295	S 203 P-Z 10 NA	2CDS283103R0428		0.500	1
	16	594301	S 203 P-Z 16 NA	2CDS283103R0468		0.500	1
	20	594318	S 203 P-Z 20 NA	2CDS283103R0488		0.500	1
	25	594325	S 203 P-Z 25 NA	2CDS283103R0518		0.500	1
	32	594332	S 203 P-Z 32 NA	2CDS283103R0538		0.500	1
	40	594349	S 203 P-Z 40 NA	2CDS283103R0558		0.500	1
	50	594356	S 203 P-Z 50 NA	2CDS283103R0578		0.500	1
	63	594363	S 203 P-Z 63 NA	2CDS283103R0608		0.500	1

MCBs

S202C Technical features

			S202C
			S202TC
Standards			
Electrical features			
Number of poles			2P
Number of modules			1M
Tripping Characteristic			B, C
Rated current I_n	A		$2 \leq I_n \leq 32$
Rated voltage U_e	V		400/415
Insulation voltage U_i	V		500 V AC
Overvoltage category			III
Pollution degree			2
Rated frequency	Hz		50/60
Min operating voltage	V AC/DC		12
Max operating voltage	V		440
Rated breaking capacity acc. to IEC/EN 60898-1 I_{cn}	A		6000
Rated breaking capacity acc. to IEC/EN 60947-2 (only referring to internal short circuit test)	ultimate I_{cu}	kA	6
	service I_{cs}	kA	6
Rated breaking capacity I_{cn1} acc. to IEC/EN 60898-1	I_{cn1}	A	6000
Rated breaking capacity acc. to IEC/EN 60947-2 in DC (only referring to internal short circuit test, poles connected in series, t_c 4ms)	ultimate I_{cu}	kA	6 kA @ 110 VDC
Rated impulse withstand voltage (1.2/50) U_{imp}	kV		4 kV
Dielectric test voltage at ind. freq. for 1 min.	kV		2.5 kV (50 / 60Hz, 1 min.)
Thermomagnetic release - characteristic	B: $3 I_n \leq I_m \leq 5 I_n$		■
	C: $5 I_n \leq I_m \leq 10 I_n$		■
Energy limiting class			3
Mechanical features			
Housing			Insulation group I, RAL 7035
Toggle			Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Electrical life		operations	10000
Mechanical life		operations	20000
Protection degree acc. to EN 60529	housing		IP40
	terminals		IP20
Shock resistance acc. to IEC/EN 60068-2-27			40 g (x,y,z) - 18 shocks - 5 ms half sinusoidal
Vibration resistance acc. to IEC/EN 60068-2-6			0.35 mm or 5 g - 20 cycles at 5...150...5 Hz
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		°C/RH	28 cycles with 55 °C/90–96 % and 25 °C/95–100 %
Reference temperature for setting of thermal element		°C	30
Ambient temperature (with daily average $\leq +35$ °C)		°C	-25...+55
Storage temperature		°C	-40...+70
Installation			
Terminal type	top / bottom		Fail-safe terminals, bi-directional cylinder-lift terminal (shock protected)
Terminal size for cables	top / bottom	mm ²	10 flexible / 16 rigid top & bottom
Terminal size for busbars	top / bottom	mm ²	10/10
Tightening torque	top / bottom	Nm	3
Stripping length of the cable		mm	12
Mounting			on DIN rail EN 60715 (35 mm) by means of mounting clip
Mounting position			Vertical & Horizontal
Supply from			Top/Bottom terminals
Dimensions and weight			
Dimensions (H×D×W)		mm	86×70×17.8 mm
Weight		g	160
Combination with auxiliary elements			
Combinable with accessories and auxiliaries			YES, G2C series

MCBs

S202TC characteristic



S202TC: 2P in 1M for traction

Function: protection and control of the circuits against overloads and short-circuits

Applications: traction

Standard: IEC/EN 60898-1

Plastic material acc. to UL94 and IEC/EN 60695-11: V0

Classification according to EN 45545-1:2013 and EN 45545-2:2013+A1:2015: R26/HL3

Shocks and vibrations according to standard IEC/ EN 61373: Category 1, class B

N. poles	Breaking capacity	Tripping Char.	Rated Current In A	EAN	Order details		Weight 1 piece kg	Pack unit pc.
					Type code	Order code		
2	6 kA	B	2	4053546044836	S202TC-B2	2CDS252282R0025	0.160	12
			4	4053546044850	S202TC-B4	2CDS252282R0045	0.160	12
			6	4053546044874	S202TC-B6	2CDS252282R0065	0.160	12
			10	4053546044898	S202TC-B10	2CDS252282R0105	0.160	12
			16	4053546044911	S202TC-B16	2CDS252282R0165	0.160	12
			20	4053546044935	S202TC-B20	2CDS252282R0205	0.160	12
			25	4053546044959	S202TC-B25	2CDS252282R0255	0.160	12
			32	4053546044973	S202TC-B32	2CDS252282R0325	0.160	12
	6 kA	C	2	4053546044829	S202TC-C2	2CDS252282R0024	0.160	12
			4	4053546044843	S202TC-C4	2CDS252282R0044	0.160	12
			6	4053546044867	S202TC-C6	2CDS252282R0064	0.160	12
			10	4053546044881	S202TC-C10	2CDS252282R0104	0.160	12
			16	4053546044904	S202TC-C16	2CDS252282R0164	0.160	12
			20	4053546044928	S202TC-C20	2CDS252282R0204	0.160	12
			25	4053546044942	S202TC-C25	2CDS252282R0254	0.160	12
			32	4053546044966	S202TC-C32	2CDS252282R0324	0.160	12

Notes

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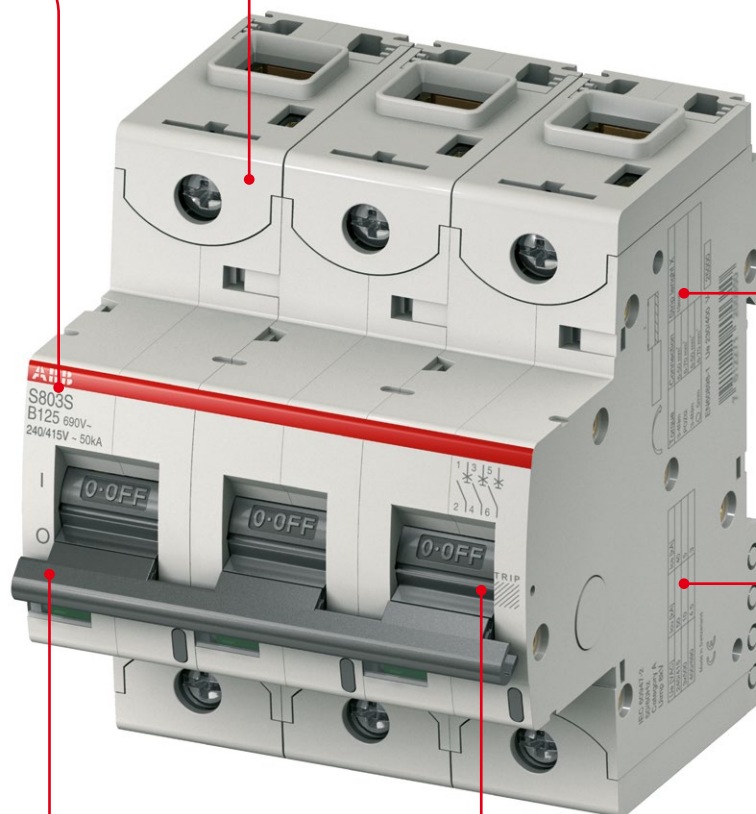
High Performance MCB S800S

Incomparable performances to meet the demand in rolling stock equipment

Interchangeable terminal,
failsafe cage or ring lug
terminal

Quick identification of
technical characteristics
thanks to laser-printing of
all data

Easy product name,
easy identification,
easy life.



Wide range of
accessories to enlarge
product functionality

Clear identification of the
moving contact position
thanks to toggle
identification ON/OFF and
TRIP position

Clear identification of the
reason of cut-off thanks to
TRIP position of the toggle



Housing materials

In the S800 range of MCBs for traction, specific materials are used that are classified with a hazard level R26/HL3 according to EN 45545-2.



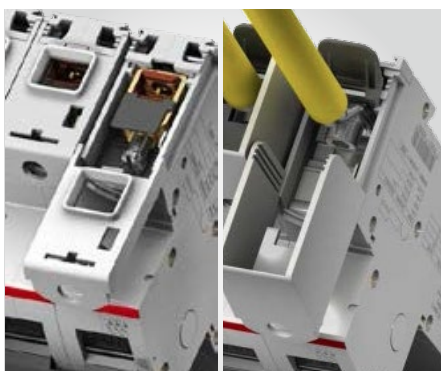
Shock and vibration resistance

Additionally to the high quality standards and the flammability requirements, rail applications have specific demands that have to be fulfilled like resistance to shocks and vibrations. The resistance to vibrations and shocks of S800 has been positively tested according to: IEC 61373 – 2010 – 05 Edition 2.0 Rolling stock equipment – Shock and vibration tests considering Category 1, Class A and Class B.



Play it safe: display the operational state

The mechanical drive of the S800 high performance MCB is equipped with a trip-free release. The trip position display thereby always reliably displays the exact position of the moving contact. The trip position provides additional trip detection allowing to easily identify the reason for the cut-off. The switch lever moves to the middle position in case of thermal or magnetic tripping.



Cage and ring terminals

The S800 standard equipment with interchangeable terminal adapter for wires, cables and rigid conductors guarantees a high level of flexibility and comfort. Fast and safe connection of the conductors is ensured by the “onboard terminal shutter” integrated into the body of the terminal, thereby preventing incorrect underclamping of the connections.



Reliable: the disconnecter properties

In OFF position (0 position), the S800 high performance MCB guarantees safe electrical isolation of the circuit compliant to IEC 60947-2.



Wide range of accessories

S800 MCB range is completed with a wide range of accessories that enlarge the functions of the MCB not only as a protection devices, but even for control and monitor remotely the installation. The range of accessories include auxiliary contacts, aux/signal contacts, remote switching unit, short circuit limiter, shunt operation releases, undervoltage releases and busbars.

MCBs

S800S series technical features

High performance MCBs

		S800S	S803S-KM	S800S-UC
General Data				
Tripping characteristics		B, C, D, K,	KM	UCB, UCK
Standards		IEC/EN 60947-2, EN 60898-1, UL 1077	IEC/EN 60947-2	IEC/EN 60947-2
Poles		1 ... 4	3	1 ... 4
Rated current I _e	A	0.5 ... 125	10 ... 80	0.5 ... 125
Rated frequency f	Hz	50/60	50/60	50/60
Rated insulation voltage U _i acc. to IEC/EN 60664-1	V	AC 690	AC 690	DC 1500
Rated impulse withstand voltage U _{imp} . (1.2/50µs)	kV	8	8	8
Overvoltage category		IV	IV	III
Pollution degree		3	3	2
Suitability for isolation		yes	yes	yes
Data acc. to IEC/EN 60898-1				
Rated operational voltage U _e	V	AC 230/400	-	-
Min. operating voltage	V	AC 12	-	-
Rated short-circuit capacity I _{cn}	kA	Char. B, C, D: 230/400V (10 ... 80A) = 25 kA	-	-
Reference temperature for tripping characteristics	°C	30°C (Char. B, C, D)		
Electrical and Mechanical Endurance	ops	10...32 A: 10000 electrical / 10000 mechanical 40...80 A: 6000 electrical / 10000 mechanical	-	-
Service short-circuit capacity I _{cs}	kA	Char. B, C, D: 230/400V (10 ... 80A) = 12.5 kA	-	-
Data acc. to IEC/EN 60947-2				
Rated operational voltage U _e	V	AC 400/690 DC 125 (1-pole) DC 250 (2-pole) DC 375 (3-pole) DC 500 (4-pole)	AC 690	DC 250 (1-pole) DC 500 (2-pole) DC 750 (3-pole) DC 750 (4-pole) (63 ... 125A) DC 1000 (4-pole) (up to 50A)
Min. operating voltage	V	AC 12	AC 12	-
Rated ultimate short-circuit capacity I _{cu}	kA	AC 240/415 V = 50 kA AC 254/440 V = 30 kA AC 289/500 V (up to 80 A) = 15 kA AC 289/500 V (100 ... 125 A) = 10 kA AC 400/690 V (up to 80 A) = 6 kA AC 400/690 V (100 ... 125 A) = 4.5 kA DC 125V (1-pole) = 30 kA DC 250V (2-pole) = 30 kA DC 375V (3-pole) = 30 kA DC 500V (4-pole) = 30 kA	AC 240/415V = 50 kA AC 254/440V = 30 kA AC 400/690V = 6 kA DC 375V = 30 kA	DC 250 V (1-pole) = 50 kA DC 500 V (2-pole) = 50 kA DC 750 V (3-pole) = 50 kA DC 750 V (4-pole) (63...125A) = 50 kA DC 1000V (4-pole)(up to 50A) = 50 kA
Rated service short-circuit capacity I _{cs}	kA	AC 240/415 V = 40 kA AC 254/440 V (up to 80 A) = 22.5 kA AC 254/440 V (100 ... 125 A) = 15 kA AC 289/500 V (up to 80 A) = 11 kA AC 289/500 V (100 ... 125 A) = 5 kA AC 400/690 V (up to 80 A) = 4 kA AC 400/690 V (100 ... 125 A) = 3 kA DC 125V (1-pole) = 30 kA DC 250V (2-pole) = 30 kA DC 375V (3-pole) = 30 kA DC 500V (4-pole) = 30 kA	DC 375V = 30 kA	DC 250 V (1-pole) = 50 kA DC 500 V (2-pole) = 50 kA DC 750 V (3-pole) = 50 kA DC 750 V (4-pole) (63...125A) = 50 kA DC 1000V (4-pole)(up to 50A) = 50 kA
Reference temperature for tripping characteristics	°C	B, C, D: 30°C K: 40°C	only magnetic release	UCB: 30°C UCK: 40°C
Electrical and Mechanical Endurance	ops.	0.5...32 A: 10000 electrical / 10000 mechanical 40...100 A: 6000 electrical / 10000 mechanical 125 A: 4000 electrical / 8000 mechanical	10 ... 32 A: 10000 electrical / 10000 mechanical 40 ... 80 A: 6000 electrical / 4000 mechanical	0.5...100 A: 1500 electrical / 10000 mechanical 125 A: 1000 electrical / 8000 mechanical
Data acc. to UL 1077/ C22.2 No 235, Supplementary Protector				
Alternating current: int. cap.		1 240: 30 (0.5...63A) 277: 14 (0.5...63A) 347: 6 (0.5...63A) 2,3,4 240: 30 (0.5...63A) 480 Y/277: 14 (0.5...63A) 600 Y/347: 6 (0.5...63A)		

S800S / S803S-KM / S800S-UC		
Mechanical Data		
Housing		Material group I, RAL 7035
Toggle		black, lockable
Classification acc. to NF F 126-101, NF F 16-102		I3, F2
Protection degree acc. to EN 60529		IP20; IP40(actuating end only)
Shock resistance acc. to IEC/EN 60068-2-31		IEC 61373 Cat. 1 Class B, 5g / 30ms acc. to IEC 60068-27 Test Ea
Vibration resistance acc. to IEC/EN 60068-2-6		IEC 60068-2-6 Test Fc; 2 - 13.2Hz / 1 mm 13.2 - 100Hz / 0.7g with load 100% x Ie
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	12 + 12 cycle with 55°C/90–96% and 25°C/95–100%
Environmental conditions (dry heat) acc. to IEC/EN 60068-2-2 Test B	°C/RH	16 hours 55°C / 2 hours 70°C with damp heat 55%
Ambient temperature	°C	–25 ... +60
Storage temperature	°C	–40 ... +70
Installation		
Terminal		Failsafe cage or ringlug terminal
Connections (top/bottom) – Cu only	mm²	1 ... 50 stranded 1 ... 70 flexible
	AWG (S800S only)	10 - 30 A: 14 AWG – 2 AWG 40 - 100 A: 14 AWG – 2 AWG
Tightening torque	Nm	3.5
	in-lbs.	31
Screwdriver		POZI 2
Mounting		EN 60715
Mounting position		any
Supply		any
Dimensions and weight		
Pole dimensions (H x L x W)	mm	82.5 x 95 x 26.5
Pole weight	g	ca. 240

MCBs

S800S series with cage terminal, B characteristic

High performance MCBs

S800S-B characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60898, IEC/EN 60947-2, UL 1077, supplementary protector

Icn=25kA (10 ... 80A)

Icu=50 kA



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	0.5	498979	S801S-B0,5	2CCF019841R0001	0.24	1
	1	498986	S801S-B1	2CCF019842R0001	0.24	1
	1.6	498993	S801S-B1,6	2CCF019843R0001	0.24	1
	2	499105	S801S-B2	2CCF019844R0001	0.24	1
	2.5	499112	S801S-B2,5	2CCF019845R0001	0.24	1
	3	499129	S801S-B3	2CCF019846R0001	0.24	1
	4	499136	S801S-B4	2CCF019847R0001	0.24	1
	5	499143	S801S-B5	2CCF019848R0001	0.24	1
	6	408107	S801S-B6	2CCS861001R0065	0.24	1
	8	411329	S801S-B8	2CCS861001R0085	0.24	1
	10	200008	S801S-B10	2CCS861001R0105	0.24	1
	13	200015	S801S-B13	2CCS861001R0135	0.24	1
	16	200022	S801S-B16	2CCS861001R0165	0.24	1
	20	200039	S801S-B20	2CCS861001R0205	0.24	1
	25	200046	S801S-B25	2CCS861001R0255	0.24	1
	32	200053	S801S-B32	2CCS861001R0325	0.24	1
	40	200060	S801S-B40	2CCS861001R0405	0.24	1
	50	200077	S801S-B50	2CCS861001R0505	0.24	1
	63	200084	S801S-B63	2CCS861001R0635	0.24	1
	80	200091	S801S-B80	2CCS861001R0805	0.24	1
	100	200107	S801S-B100	2CCS861001R0825	0.24	1
	125	200114	S801S-B125	2CCS861001R0845	0.24	1
2	0.5	499310	S802S-B0,5	2CCF019865R0001	0.49	1
	1	499327	S802S-B1	2CCF019866R0001	0.49	1
	1.6	499334	S802S-B1,6	2CCF019867R0001	0.49	1
	2	499341	S802S-B2	2CCF019868R0001	0.49	1
	2.5	499358	S802S-B2,5	2CCF019869R0001	0.49	1
	3	499365	S802S-B3	2CCF019870R0001	0.49	1
	4	499372	S802S-B4	2CCF019871R0001	0.49	1
	5	499389	S802S-B5	2CCF019872R0001	0.49	1
	6	408114	S802S-B6	2CCS862001R0065	0.49	1
	8	411336	S802S-B8	2CCS862001R0085	0.49	1
	10	200121	S802S-B10	2CCS862001R0105	0.49	1
	13	200138	S802S-B13	2CCS862001R0135	0.49	1
	16	200145	S802S-B16	2CCS862001R0165	0.49	1
	20	200152	S802S-B20	2CCS862001R0205	0.49	1
	25	200169	S802S-B25	2CCS862001R0255	0.49	1
	32	200176	S802S-B32	2CCS862001R0325	0.49	1
	40	200183	S802S-B40	2CCS862001R0405	0.49	1
	50	200190	S802S-B50	2CCS862001R0505	0.49	1
	63	200206	S802S-B63	2CCS862001R0635	0.49	1
	80	200213	S802S-B80	2CCS862001R0805	0.49	1
	100	200220	S802S-B100	2CCS862001R0825	0.49	1
	125	200237	S802S-B125	2CCS862001R0845	0.49	1



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
3	0.5	499556	S803S-B0,5	2CCF019889R0001	0.74	1
	1	499563	S803S-B1	2CCF019890R0001	0.74	1
	1.6	499570	S803S-B1,6	2CCF019891R0001	0.74	1
	2	499587	S803S-B2	2CCF019892R0001	0.74	1
	2.5	499594	S803S-B2,5	2CCF019893R0001	0.74	1
	3	499600	S803S-B3	2CCF019894R0001	0.74	1
	4	499617	S803S-B4	2CCF019895R0001	0.74	1
	5	499624	S803S-B5	2CCF019896R0001	0.74	1
	6	408121	S803S-B6	2CCS863001R0065	0.74	1
	8	411343	S803S-B8	2CCS863001R0085	0.74	1
	10	200244	S803S-B10	2CCS863001R0105	0.74	1
	13	200251	S803S-B13	2CCS863001R0135	0.74	1
	16	200268	S803S-B16	2CCS863001R0165	0.74	1
	20	200275	S803S-B20	2CCS863001R0205	0.74	1
	25	200282	S803S-B25	2CCS863001R0255	0.74	1
	32	200299	S803S-B32	2CCS863001R0325	0.74	1
	40	200305	S803S-B40	2CCS863001R0405	0.74	1
	50	200312	S803S-B50	2CCS863001R0505	0.74	1
	63	200329	S803S-B63	2CCS863001R0635	0.74	1
	80	200336	S803S-B80	2CCS863001R0805	0.74	1
	100	200343	S803S-B100	2CCS863001R0825	0.74	1
	125	200350	S803S-B125	2CCS863001R0845	0.74	1
4	0.5	499792	S804S-B0,5	2CCF019913R0001	0.98	1
	1	499808	S804S-B1	2CCF019914R0001	0.98	1
	1.6	499815	S804S-B1,6	2CCF019915R0001	0.98	1
	2	499822	S804S-B2	2CCF019916R0001	0.98	1
	2.5	499839	S804S-B2,5	2CCF019917R0001	0.98	1
	3	499846	S804S-B3	2CCF019918R0001	0.98	1
	4	499853	S804S-B4	2CCF019919R0001	0.98	1
	5	499860	S804S-B5	2CCF019920R0001	0.98	1
	6	408138	S804S-B6	2CCS864001R0065	0.98	1
	8	411350	S804S-B8	2CCS864001R0085	0.98	1
	10	200367	S804S-B10	2CCS864001R0105	0.98	1
	13	200374	S804S-B13	2CCS864001R0135	0.98	1
	16	200381	S804S-B16	2CCS864001R0165	0.98	1
	20	200398	S804S-B20	2CCS864001R0205	0.98	1
	25	200404	S804S-B25	2CCS864001R0255	0.98	1
	32	200411	S804S-B32	2CCS864001R0325	0.98	1
	40	200428	S804S-B40	2CCS864001R0405	0.98	1
	50	200435	S804S-B50	2CCS864001R0505	0.98	1
	63	200442	S804S-B63	2CCS864001R0635	0.98	1
	80	200459	S804S-B80	2CCS864001R0805	0.98	1
	100	200466	S804S-B100	2CCS864001R0825	0.98	1
	125	200473	S804S-B125	2CCS864001R0845	0.98	1

MCBs

S800S series with ring terminal connection, B characteristic

High performance MCBs



S801S



S802S

S800S, B characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Standards: IEC/EN 60898-1, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icn=25 kA (10...80 A)

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	6	408268	S801S-B6-R	2CCS861002R0065		0.245	1
	8	411480	S801S-B8-R	2CCS861002R0085		0.245	1
	10	209636	S801S-B10-R	2CCS861002R0105		0.245	1
	13	209643	S801S-B13-R	2CCS861002R0135		0.245	1
	16	209650	S801S-B16-R	2CCS861002R0165		0.245	1
	20	209667	S801S-B20-R	2CCS861002R0205		0.245	1
	25	209674	S801S-B25-R	2CCS861002R0255		0.245	1
	32	209681	S801S-B32-R	2CCS861002R0325		0.245	1
	40	206826	S801S-B40-R	2CCS861002R0405		0.245	1
	50	206833	S801S-B50-R	2CCS861002R0505		0.245	1
	63	206840	S801S-B63-R	2CCS861002R0635		0.245	1
	80	206857	S801S-B80-R	2CCS861002R0805		0.245	1
	100	206864	S801S-B100-R	2CCS861002R0825		0.245	1
	125	206871	S801S-B125-R	2CCS861002R0845		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	6	408275	S802S-B6-R	2CCS862002R0065		0.49	1
	8	411497	S802S-B8-R	2CCS862002R0085		0.49	1
	10	209698	S802S-B10-R	2CCS862002R0105		0.49	1
	13	209704	S802S-B13-R	2CCS862002R0135		0.49	1
	16	209711	S802S-B16-R	2CCS862002R0165		0.49	1
	20	209728	S802S-B20-R	2CCS862002R0205		0.49	1
	25	209735	S802S-B25-R	2CCS862002R0255		0.49	1
	32	209742	S802S-B32-R	2CCS862002R0325		0.49	1
	40	206888	S802S-B40-R	2CCS862002R0405		0.49	1
	50	206895	S802S-B50-R	2CCS862002R0505		0.49	1
	63	206901	S802S-B63-R	2CCS862002R0635		0.49	1
	80	206918	S802S-B80-R	2CCS862002R0805		0.49	1
	100	206925	S802S-B100-R	2CCS862002R0825		0.49	1
	125	206932	S802S-B125-R	2CCS862002R0845		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
3	6	408282	Order details		0.735	kg	1
			Type code	Order code			
			S803S-B6-R	2CCS863002R0065			
			S803S-B8-R	2CCS863002R0085			
			S803S-B10-R	2CCS863002R0105			
			S803S-B13-R	2CCS863002R0135			
			S803S-B16-R	2CCS863002R0165			
			S803S-B20-R	2CCS863002R0205			
			S803S-B25-R	2CCS863002R0255			
			S803S-B32-R	2CCS863002R0325			
			S803S-B40-R	2CCS863002R0405			
			S803S-B50-R	2CCS863002R0505			
			S803S-B63-R	2CCS863002R0635			
			S803S-B80-R	2CCS863002R0805			
			S803S-B100-R	2CCS863002R0825			
			S803S-B125-R	2CCS863002R0845			

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
4	6	408299	Order details		0.98	kg	1
			Type code	Order code			
			S804S-B6-R	2CCS864002R0065			
			S804S-B8-R	2CCS864002R0085			
			S804S-B10-R	2CCS864002R0105			
			S804S-B13-R	2CCS864002R0135			
			S804S-B16-R	2CCS864002R0165			
			S804S-B20-R	2CCS864002R0205			
			S804S-B25-R	2CCS864002R0255			
			S804S-B32-R	2CCS864002R0325			
			S804S-B40-R	2CCS864002R0405			
			S804S-B50-R	2CCS864002R0505			
			S804S-B63-R	2CCS864002R0635			
			S804S-B80-R	2CCS864002R0805			
			S804S-B100-R	2CCS864002R0825			
			S804S-B125-R	2CCS864002R0845			

MCBs

S800S series with cage terminal, C characteristic

High performance MCBs



S801S



S802S

S800S, C characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for resistive and inductive loads with low inrush current; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Standards: IEC/EN 60898-1, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icn=25 kA (10...80A)

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
			Type code	Order code		kg	pc.
1	6	408145	S801S-C6	2CCS861001R0064		0.245	1
	8	411367	S801S-C8	2CCS861001R0084		0.245	1
	10	200480	S801S-C10	2CCS861001R0104		0.245	1
	13	200497	S801S-C13	2CCS861001R0134		0.245	1
	16	200503	S801S-C16	2CCS861001R0164		0.245	1
	20	200510	S801S-C20	2CCS861001R0204		0.245	1
	25	200527	S801S-C25	2CCS861001R0254		0.245	1
	32	200534	S801S-C32	2CCS861001R0324		0.245	1
	40	200541	S801S-C40	2CCS861001R0404		0.245	1
	50	200558	S801S-C50	2CCS861001R0504		0.245	1
	63	200565	S801S-C63	2CCS861001R0634		0.245	1
	80	200572	S801S-C80	2CCS861001R0804		0.245	1
	100	200589	S801S-C100	2CCS861001R0824		0.245	1
	125	200596	S801S-C125	2CCS861001R0844		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
			Type code	Order code		kg	pc.
2	6	408152	S802S-C6	2CCS862001R0064		0.49	1
	8	411374	S802S-C8	2CCS862001R0084		0.49	1
	10	200602	S802S-C10	2CCS862001R0104		0.49	1
	13	200619	S802S-C13	2CCS862001R0134		0.49	1
	16	200626	S802S-C16	2CCS862001R0164		0.49	1
	20	200633	S802S-C20	2CCS862001R0204		0.49	1
	25	200640	S802S-C25	2CCS862001R0254		0.49	1
	32	200657	S802S-C32	2CCS862001R0324		0.49	1
	40	200664	S802S-C40	2CCS862001R0404		0.49	1
	50	200671	S802S-C50	2CCS862001R0504		0.49	1
	63	200688	S802S-C63	2CCS862001R0634		0.49	1
	80	200695	S802S-C80	2CCS862001R0804		0.49	1
	100	200701	S802S-C100	2CCS862001R0824		0.49	1
	125	200718	S802S-C125	2CCS862001R0844		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
3	6	408169	S803S-C6	2CCS863001R0064		0.735	1
	8	411381	S803S-C8	2CCS863001R0084		0.735	1
	10	200725	S803S-C10	2CCS863001R0104		0.735	1
	13	200732	S803S-C13	2CCS863001R0134		0.735	1
	16	200749	S803S-C16	2CCS863001R0164		0.735	1
	20	200756	S803S-C20	2CCS863001R0204		0.735	1
	25	200763	S803S-C25	2CCS863001R0254		0.735	1
	32	200770	S803S-C32	2CCS863001R0324		0.735	1
	40	200787	S803S-C40	2CCS863001R0404		0.735	1
	50	200794	S803S-C50	2CCS863001R0504		0.735	1
	63	200800	S803S-C63	2CCS863001R0634		0.735	1
	80	200817	S803S-C80	2CCS863001R0804		0.735	1
	100	200824	S803S-C100	2CCS863001R0824		0.735	1
	125	200831	S803S-C125	2CCS863001R0844		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
4	6	408176	S804S-C6	2CCS864001R0064		0.98	1
	8	411398	S804S-C8	2CCS864001R0084		0.98	1
	10	200848	S804S-C10	2CCS864001R0104		0.98	1
	13	200855	S804S-C13	2CCS864001R0134		0.98	1
	16	200862	S804S-C16	2CCS864001R0164		0.98	1
	20	200879	S804S-C20	2CCS864001R0204		0.98	1
	25	200886	S804S-C25	2CCS864001R0254		0.98	1
	32	200893	S804S-C32	2CCS864001R0324		0.98	1
	40	200909	S804S-C40	2CCS864001R0404		0.98	1
	50	200916	S804S-C50	2CCS864001R0504		0.98	1
	63	200923	S804S-C63	2CCS864001R0634		0.98	1
	80	200930	S804S-C80	2CCS864001R0804		0.98	1
	100	200947	S804S-C100	2CCS864001R0824		0.98	1
	125	200954	S804S-C125	2CCS864001R0844		0.98	1

MCBs

S800S series with ring terminal connection, C characteristic

High performance MCBs



S801S



S802S

S800S, C characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for resistive and inductive loads with low inrush current; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Standards: IEC/EN 60898-1, IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icn=25 kA (10...80 A)

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	6	408305	S801S-C6-R	2CCS861002R0064		0.245	1
	8	411527	S801S-C8-R	2CCS861002R0084		0.245	1
	10	209872	S801S-C10-R	2CCS861002R0104		0.245	1
	13	209889	S801S-C13-R	2CCS861002R0134		0.245	1
	16	209896	S801S-C16-R	2CCS861002R0164		0.245	1
	20	209902	S801S-C20-R	2CCS861002R0204		0.245	1
	25	209919	S801S-C25-R	2CCS861002R0254		0.245	1
	32	209926	S801S-C32-R	2CCS861002R0324		0.245	1
	40	207069	S801S-C40-R	2CCS861002R0404		0.245	1
	50	207076	S801S-C50-R	2CCS861002R0504		0.245	1
	63	207083	S801S-C63-R	2CCS861002R0634		0.245	1
	80	207090	S801S-C80-R	2CCS861002R0804		0.245	1
	100	207106	S801S-C100-R	2CCS861002R0824		0.245	1
	125	207113	S801S-C125-R	2CCS861002R0844		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	6	408312	S802S-C6-R	2CCS862002R0064		0.49	1
	8	411534	S802S-C8-R	2CCS862001R0084		0.49	1
	10	209933	S802S-C10-R	2CCS862002R0104		0.49	1
	13	209940	S802S-C13-R	2CCS862002R0134		0.49	1
	16	209957	S802S-C16-R	2CCS862002R0164		0.49	1
	20	209964	S802S-C20-R	2CCS862002R0204		0.49	1
	25	209971	S802S-C25-R	2CCS862002R0254		0.49	1
	32	209988	S802S-C32-R	2CCS862002R0324		0.49	1
	40	207120	S802S-C40-R	2CCS862002R0404		0.49	1
	50	207137	S802S-C50-R	2CCS862002R0504		0.49	1
	63	207144	S802S-C63-R	2CCS862002R0634		0.49	1
	80	207151	S802S-C80-R	2CCS862002R0804		0.49	1
	100	207168	S802S-C100-R	2CCS862002R0824		0.49	1
	125	207175	S802S-C125-R	2CCS862002R0844		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
3	6	408329	S803S-C6-R	2CCS863002R0064		0.735	1
	8	411541	S803S-C8-R	2CCS863002R0084		0.735	1
	10	209995	S803S-C10-R	2CCS863002R0104		0.735	1
	13	210007	S803S-C13-R	2CCS863002R0134		0.735	1
	16	210014	S803S-C16-R	2CCS863002R0164		0.735	1
	20	210021	S803S-C20-R	2CCS863002R0204		0.735	1
	25	210038	S803S-C25-R	2CCS863002R0254		0.735	1
	32	210045	S803S-C32-R	2CCS863002R0324		0.735	1
	40	207182	S803S-C40-R	2CCS863002R0404		0.735	1
	50	207199	S803S-C50-R	2CCS863002R0504		0.735	1
	63	207205	S803S-C63-R	2CCS863002R0634		0.735	1
	80	207212	S803S-C80-R	2CCS863002R0804		0.735	1
	100	207229	S803S-C100-R	2CCS863002R0824		0.735	1
	125	207236	S803S-C125-R	2CCS863002R0844		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
4	6	408336	S804S-C6-R	2CCS864002R0064		0.98	1
	8	411558	S804S-C8-R	2CCS864002R0084		0.98	1
	10	210052	S804S-C10-R	2CCS864002R0104		0.98	1
	13	210069	S804S-C13-R	2CCS864002R0134		0.98	1
	16	210076	S804S-C16-R	2CCS864002R0164		0.98	1
	20	210083	S804S-C20-R	2CCS864002R0204		0.98	1
	25	210090	S804S-C25-R	2CCS864002R0254		0.98	1
	32	210106	S804S-C32-R	2CCS864002R0324		0.98	1
	40	207243	S804S-C40-R	2CCS864002R0404		0.98	1
	50	207250	S804S-C50-R	2CCS864002R0504		0.98	1
	63	207267	S804S-C63-R	2CCS864002R0634		0.98	1
	80	207274	S804S-C80-R	2CCS864002R0804		0.98	1
	100	207281	S804S-C100-R	2CCS864002R0824		0.98	1
	125	207298	S804S-C125-R	2CCS864002R0844		0.98	1

MCBs

S800S series with cage terminal, K characteristic

High performance MCBs



S801S



S802S

S800S, K characteristic

Function: protection and control of the circuits like motors, transformer and auxiliary circuits, against overloads and short-circuits when a high breaking capacity is required; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream, Advantages: no nuisance tripping in the case of functional peak currents up to 10xIn, depending on the series; through its highly sensitive thermostatic bimetal trip, the K-type characteristic offers protection to damageable elements in the overcurrent range; it also provides the best protection to cables and lines,

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
			Type code	Order code		kg	pc.
1	6	408220	S801S-K6	2CCS861001R0067		0.245	1
	8	411442	S801S-K8	2CCS861001R0407		0.245	1
	10	201449	S801S-K10	2CCS861001R0427		0.245	1
	13	201456	S801S-K13	2CCS861001R0447		0.245	1
	16	201463	S801S-K16	2CCS861001R0467		0.245	1
	20	201470	S801S-K20	2CCS861001R0487		0.245	1
	25	201487	S801S-K25	2CCS861001R0517		0.245	1
	32	201494	S801S-K32	2CCS861001R0537		0.245	1
	40	201500	S801S-K40	2CCS861001R0557		0.245	1
	50	201517	S801S-K50	2CCS861001R0577		0.245	1
	63	201524	S801S-K63	2CCS861001R0597		0.245	1
	80	201531	S801S-K80	2CCS861001R0627		0.245	1
	100	201548	S801S-K100	2CCS861001R0637		0.245	1
	125	201555	S801S-K125	2CCS861001R0647		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
			Type code	Order code		kg	pc.
2	6	408237	S802S-K6	2CCS862001R0067		0.49	1
	8	411459	S802S-K8	2CCS862001R0407		0.49	1
	10	201562	S802S-K10	2CCS862001R0427		0.49	1
	13	201579	S802S-K13	2CCS862001R0447		0.49	1
	16	201586	S802S-K16	2CCS862001R0467		0.49	1
	20	201593	S802S-K20	2CCS862001R0487		0.49	1
	25	201609	S802S-K25	2CCS862001R0517		0.49	1
	32	201616	S802S-K32	2CCS862001R0537		0.49	1
	40	201623	S802S-K40	2CCS862001R0557		0.49	1
	50	201630	S802S-K50	2CCS862001R0577		0.49	1
	63	201647	S802S-K63	2CCS862001R0597		0.49	1
	80	201654	S802S-K80	2CCS862001R0627		0.49	1
	100	201661	S802S-K100	2CCS862001R0637		0.49	1
	125	201678	S802S-K125	2CCS862001R0647		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
3	6	408244	S803S-K6	2CCS863001R0067		0.735	1
	8	411466	S803S-K8	2CCS863001R0407		0.735	1
	10	201685	S803S-K10	2CCS863001R0427		0.735	1
	13	201692	S803S-K13	2CCS863001R0447		0.735	1
	16	201708	S803S-K16	2CCS863001R0467		0.735	1
	20	201715	S803S-K20	2CCS863001R0487		0.735	1
	25	201722	S803S-K25	2CCS863001R0517		0.735	1
	32	201739	S803S-K32	2CCS863001R0537		0.735	1
	40	201746	S803S-K40	2CCS863001R0557		0.735	1
	50	201753	S803S-K50	2CCS863001R0577		0.735	1
	63	201760	S803S-K63	2CCS863001R0597		0.735	1
	80	201777	S803S-K80	2CCS863001R0627		0.735	1
	100	201784	S803S-K100	2CCS863001R0637		0.735	1
125	201791	S803S-K125	2CCS863001R0647		0.735	1	

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc,
4	6	408251	S804S-K6	2CCS864001R0067		0.98	1
	8	411473	S804S-K8	2CCS864001R0407		0.98	1
	10	201807	S804S-K10	2CCS864001R0427		0.98	1
	13	201814	S804S-K13	2CCS864001R0447		0.98	1
	16	201821	S804S-K16	2CCS864001R0467		0.98	1
	20	201838	S804S-K20	2CCS864001R0487		0.98	1
	25	201845	S804S-K25	2CCS864001R0517		0.98	1
	32	201852	S804S-K32	2CCS864001R0537		0.98	1
	40	201869	S804S-K40	2CCS864001R0557		0.98	1
	50	201876	S804S-K50	2CCS864001R0577		0.98	1
	63	201883	S804S-K63	2CCS864001R0597		0.98	1
	80	201890	S804S-K80	2CCS864001R0627		0.98	1
	100	201906	S804S-K100	2CCS864001R0637		0.98	1
	125	201913	S804S-K125	2CCS864001R0647		0.98	1

MCBs

S800S series with ring terminal connection, K characteristic

High performance MCBs



S801S



S802S

S800S, K characteristic

Function: protection and control of the circuits like motors, transformer and auxiliary circuits, against overloads and short-circuits when a high breaking capacity is required; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream. Advantages: no nuisance tripping in the case of functional peak currents up to 10xIn, depending on the series; through its highly sensitive thermostatic bimetal trip, the K-type characteristic offers protection to damageable elements in the overcurrent range; it also provides the best protection to cables and lines.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	6	408381	S801S-K6-R	2CCS861002R0067		0.245	1
	8	411602	S801S-K8-R	2CCS861002R0407		0.245	1
	10	209391	S801S-K10-R	2CCS861002R0427		0.245	1
	13	209407	S801S-K13-R	2CCS861002R0447		0.245	1
	16	209414	S801S-K16-R	2CCS861002R0467		0.245	1
	20	209421	S801S-K20-R	2CCS861002R0487		0.245	1
	25	209438	S801S-K25-R	2CCS861002R0517		0.245	1
	32	209445	S801S-K32-R	2CCS861002R0537		0.245	1
	40	207540	S801S-K40-R	2CCS861002R0557		0.245	1
	50	207557	S801S-K50-R	2CCS861002R0577		0.245	1
	63	207564	S801S-K63-R	2CCS861002R0597		0.245	1
	80	207571	S801S-K80-R	2CCS861002R0627		0.245	1
	100	207588	S801S-K100-R	2CCS861002R0637		0.245	1
	125	207595	S801S-K125-R	2CCS861002R0647		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	6	408398	S802S-K6-R	2CCS862002R0067		0.49	1
	8	411619	S802S-K8-R	2CCS862002R0407		0.49	1
	10	209452	S802S-K10-R	2CCS862002R0427		0.49	1
	13	209469	S802S-K13-R	2CCS862002R0447		0.49	1
	16	209476	S802S-K16-R	2CCS862002R0467		0.49	1
	20	209483	S802S-K20-R	2CCS862002R0487		0.49	1
	25	209490	S802S-K25-R	2CCS862002R0517		0.49	1
	32	209506	S802S-K32-R	2CCS862002R0537		0.49	1
	40	207601	S802S-K40-R	2CCS862002R0557		0.49	1
	50	207618	S802S-K50-R	2CCS862002R0577		0.49	1
	63	207625	S802S-K63-R	2CCS862002R0597		0.49	1
	80	207632	S802S-K80-R	2CCS862002R0627		0.49	1
	100	207649	S802S-K100-R	2CCS862002R0637		0.49	1
	125	207656	S802S-K125-R	2CCS862002R0647		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
3	6	408404	S803S-K6-R	2CCS863002R0067		0.735	1
	8	411626	S803S-K8-R	2CCS863002R0407		0.735	1
	10	209513	S803S-K10-R	2CCS863002R0427		0.735	1
	13	209520	S803S-K13-R	2CCS863002R0447		0.735	1
	16	209537	S803S-K16-R	2CCS863002R0467		0.735	1
	20	209544	S803S-K20-R	2CCS863002R0487		0.735	1
	25	209551	S803S-K25-R	2CCS863002R0517		0.735	1
	32	209568	S803S-K32-R	2CCS863002R0537		0.735	1
	40	207663	S803S-K40-R	2CCS863002R0557		0.735	1
	50	207670	S803S-K50-R	2CCS863002R0577		0.735	1
	63	207687	S803S-K63-R	2CCS863002R0597		0.735	1
	80	207694	S803S-K80-R	2CCS863002R0627		0.735	1
	100	207700	S803S-K100-R	2CCS863002R0637		0.735	1
	125	207717	S803S-K125-R	2CCS863002R0647		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
4	6	408411	S804S-K6-R	2CCS864002R0067		0.98	1
	8	411633	S804S-K8-R	2CCS864002R0407		0.98	1
	10	209575	S804S-K10-R	2CCS864002R0427		0.98	1
	13	209582	S804S-K13-R	2CCS864002R0447		0.98	1
	16	209599	S804S-K16-R	2CCS864002R0467		0.98	1
	20	209605	S804S-K20-R	2CCS864002R0487		0.98	1
	25	209612	S804S-K25-R	2CCS864002R0517		0.98	1
	32	209629	S804S-K32-R	2CCS864002R0537		0.98	1
	40	207724	S804S-K40-R	2CCS864002R0557		0.98	1
	50	207731	S804S-K50-R	2CCS864002R0577		0.98	1
	63	207748	S804S-K63-R	2CCS864002R0597		0.98	1
	80	207755	S804S-K80-R	2CCS864002R0627		0.98	1
	100	207762	S804S-K100-R	2CCS864002R0637		0.98	1
	125	207779	S804S-K125-R	2CCS864002R0647		0.98	1

MCBs

S800S UC series technical features

High performance MCBs



S801S

S800S UC		
Standards	Product Standard	IEC / EN 60947-2
	Hazard level acc. to EN 45545-2	R26/HL3
	Resistance to shocks and vibrations acc. to IEC 61373	Category 1 - Class B - Body mounted
	GOST 9219-88 approval	Yes
General data	Poles	1P, 2P, 3P, 4P
	Tripping characteristics	UCB, UCK
	Rated current I _n	A 10...125 A
	Rated frequency f	Hz DC
	Rated insulation voltage U _i acc. to IEC/EN 60664-1	V 750 V DC
	Rated impulse withstand voltage U _{imp} . (1.2/50μs)	kV 8 kV
	Overvoltage category	IV
	Pollution degree	1P, 2P: 3; 3P, 4P: 2
	Suitability for isolation	yes
	Rated operational voltage U _e	V 1P: 250 V DC; 2P: 500 V DC; 3P, 4P: 750 V DC
Data acc. to IEC/EN 60947-2	Max. power frequency recovery voltage (U _{max})	V -
	Min. operating voltage	V -
	Rated ultimate short-circuit breaking capacity I _{cu}	kA DC: 250 V (1P) = 50 kA; 500 V (2P) = 50 kA; 750 V (3P, 4P) = 50 kA
	Rated service short-circuit breaking capacity I _{cs}	kA DC: 250 V (1P) = 50 kA; 500 V (2P) = 50 kA; 750 V (3P, 4P) = 50 kA
	Rated impulse withstand voltage U _{imp} . (1.2/50 μs)	kV 8 kV
	Dielectric test voltage	kV acc. to standard
	Reference temperature for tripping characteristics	°C UCB: 30°C; UCK: 40°C
	Electrical and mechanical endurance	ops. 10...100 A: 1500 electric; 8500 mechanic; 125 A: 1000 electric, 7000 mechanic

S800S UC			
Mechanical data	Housing	Material group I, RAL 7035	
	Toggle	black, lockable	
	Contact position indicator	-	
	Protection degree acc. to EN 0529	IP20; IP40 (actuating end only)	
	Mechanical endurance	cycles	10000 ops.
	Shock resistance acc. to IEC/EN 60068-2-27	5g / 30ms acc. to IEC 60068-27 Test Ea	
	Vibration resistance acc. to IEC/EN 60068-2-6	IEC 60068-2-6 Test Fc; 2 - 13.2 Hz / 1 mm 13.2 - 100 Hz / 0.7g with load 100% x Ie	
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	12 + 12 cycle with 55 °C / 90-96% and 25% / 95-100%
	Environmental conditions (dry heat) acc. to IEC/EN 60068- 2-2 Test B	°C/RH	16 hours 55 °C / 2 hours 70 °C with damp heat 55%
	Ambient temperature (with daily average ≤ +35 °C)	°C	-25...+ 60 °C
Installation	Storage temperature	°C	-40...+70 °C
	Terminal type	Failsafe cage or ring terminal connection	
	Cross-section of conductors (top/bottom)	stranded mm²	1...50 mm²
		flexible mm²	1...70 mm²
		AWG	-
	Cross-section of busbars	mm²	-
		AWG	-
	Tightening torque	Nm	3.5 Nm
		in-lbs.	31 in-lbs.
	Screwdriver	POZI 2	
Dimensions and weight	Mounting	EN 60715	
	Mounting position	any	
	Supply	any	
	Mounting dimensions acc. to DIN 43880	-	
Dimensions and weight	Pole dimensions (H x D x W)	mm	82.5 x 95 x 26.5 mm
	Pole weight	g	approx. 240 g
Combination with auxiliary elements	See table page 4/17		

MCBs

S800S series DC range with cage terminal, UC, B characteristic
High performance MCBs



S801S



S802S

S800S, UC, B characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream; version dedicated to application in direct current circuits.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

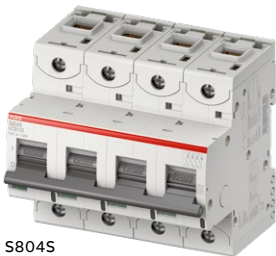
Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	10	202842	S801S-UCB10	2CCS861001R1105		0.245	1
	13	202859	S801S-UCB13	2CCS861001R1135		0.245	1
	16	202866	S801S-UCB16	2CCS861001R1165		0.245	1
	20	202873	S801S-UCB20	2CCS861001R1205		0.245	1
	25	202880	S801S-UCB25	2CCS861001R1255		0.245	1
	32	202897	S801S-UCB32	2CCS861001R1325		0.245	1
	40	202903	S801S-UCB40	2CCS861001R1405		0.245	1
	50	202910	S801S-UCB50	2CCS861001R1505		0.245	1
	63	202927	S801S-UCB63	2CCS861001R1635		0.245	1
	80	202934	S801S-UCB80	2CCS861001R1805		0.245	1
	100	202941	S801S-UCB100	2CCS861001R1825		0.245	1
	125	202958	S801S-UCB125	2CCS861001R1845		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	10	202965	S802S-UCB10	2CCS862001R1105		0.49	1
	13	202972	S802S-UCB13	2CCS862001R1135		0.49	1
	16	202989	S802S-UCB16	2CCS862001R1165		0.49	1
	20	202996	S802S-UCB20	2CCS862001R1205		0.49	1
	25	203009	S802S-UCB25	2CCS862001R1255		0.49	1
	32	203016	S802S-UCB32	2CCS862001R1325		0.49	1
	40	203023	S802S-UCB40	2CCS862001R1405		0.49	1
	50	203030	S802S-UCB50	2CCS862001R1505		0.49	1
	63	203047	S802S-UCB63	2CCS862001R1635		0.49	1
	80	203054	S802S-UCB80	2CCS862001R1805		0.49	1
	100	203061	S802S-UCB100	2CCS862001R1825		0.49	1
	125	203078	S802S-UCB125	2CCS862001R1845		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
3	10	203085	S803S-UCB10	2CCS863001R1105		0.735	1
	13	203092	S803S-UCB13	2CCS863001R1135		0.735	1
	16	203108	S803S-UCB16	2CCS863001R1165		0.735	1
	20	203115	S803S-UCB20	2CCS863001R1205		0.735	1
	25	203122	S803S-UCB25	2CCS863001R1255		0.735	1
	32	203139	S803S-UCB32	2CCS863001R1325		0.735	1
	40	203146	S803S-UCB40	2CCS863001R1405		0.735	1
	50	203153	S803S-UCB50	2CCS863001R1505		0.735	1
	63	203160	S803S-UCB63	2CCS863001R1635		0.735	1
	80	203177	S803S-UCB80	2CCS863001R1805		0.735	1
	100	203184	S803S-UCB100	2CCS863001R1825		0.735	1
	125	203191	S803S-UCB125	2CCS863001R1845		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			In A	EAN			
4	10	203207	S804S-UCB10	2CCS864001R1105		0.98	1
	13	203214	S804S-UCB13	2CCS864001R1135		0.98	1
	16	203221	S804S-UCB16	2CCS864001R1165		0.98	1
	20	203238	S804S-UCB20	2CCS864001R1205		0.98	1
	25	203245	S804S-UCB25	2CCS864001R1255		0.98	1
	32	203252	S804S-UCB32	2CCS864001R1325		0.98	1
	40	203269	S804S-UCB40	2CCS864001R1405		0.98	1
	50	203276	S804S-UCB50	2CCS864001R1505		0.98	1
	63	203283	S804S-UCB63	2CCS864001R1635		0.98	1
	80	203290	S804S-UCB80	2CCS864001R1805		0.98	1
	100	203306	S804S-UCB100	2CCS864001R1825		0.98	1
	125	203313	S804S-UCB125	2CCS864001R1845		0.98	1

MCBs

S800S series DC range with ring terminal connection, UC, B characteristic
High performance MCBs



S801S



S802S

S800S, UC, B characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream; version dedicated to application in direct current circuits.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	10	210359	S801S-UCB10-R	2CCS861002R1105		0.245	1
	13	210366	S801S-UCB13-R	2CCS861002R1135		0.245	1
	16	210373	S801S-UCB16-R	2CCS861002R1165		0.245	1
	20	210380	S801S-UCB20-R	2CCS861002R1205		0.245	1
	25	210397	S801S-UCB25-R	2CCS861002R1255		0.245	1
	32	210403	S801S-UCB32-R	2CCS861002R1325		0.245	1
	40	208424	S801S-UCB40-R	2CCS861002R1405		0.245	1
	50	208431	S801S-UCB50-R	2CCS861002R1505		0.245	1
	63	208448	S801S-UCB63-R	2CCS861002R1635		0.245	1
	80	208455	S801S-UCB80-R	2CCS861002R1805		0.245	1
	100	208462	S801S-UCB100-R	2CCS861002R1825		0.245	1
	125	208479	S801S-UCB125-R	2CCS861002R1845		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	10	210410	S802S-UCB10-R	2CCS862002R1105		0.49	1
	13	210427	S802S-UCB13-R	2CCS862002R1135		0.49	1
	16	210434	S802S-UCB16-R	2CCS862002R1165		0.49	1
	20	210441	S802S-UCB20-R	2CCS862002R1205		0.49	1
	25	210458	S802S-UCB25-R	2CCS862002R1255		0.49	1
	32	210465	S802S-UCB32-R	2CCS862002R1325		0.49	1
	40	208486	S802S-UCB40-R	2CCS862002R1405		0.49	1
	50	208493	S802S-UCB50-R	2CCS862002R1505		0.49	1
	63	208509	S802S-UCB63-R	2CCS862002R1635		0.49	1
	80	208516	S802S-UCB80-R	2CCS862002R1805		0.49	1
	100	208523	S802S-UCB100-R	2CCS862002R1825		0.49	1
	125	208530	S802S-UCB125-R	2CCS862002R1845		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	10	210472	S803S-UCB10-R	2CCS863002R1105		0.735	1
	13	210489	S803S-UCB13-R	2CCS863002R1135		0.735	1
	16	210496	S803S-UCB16-R	2CCS863002R1165		0.735	1
	20	210502	S803S-UCB20-R	2CCS863002R1205		0.735	1
	25	210519	S803S-UCB25-R	2CCS863002R1255		0.735	1
	32	210526	S803S-UCB32-R	2CCS863002R1325		0.735	1
	40	208547	S803S-UCB40-R	2CCS863002R1405		0.735	1
	50	208554	S803S-UCB50-R	2CCS863002R1505		0.735	1
	63	208561	S803S-UCB63-R	2CCS863002R1635		0.735	1
	80	208578	S803S-UCB80-R	2CCS863002R1805		0.735	1
	100	208585	S803S-UCB100-R	2CCS863002R1825		0.735	1
	125	208592	S803S-UCB125-R	2CCS863002R1845		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	10	210533	S804S-UCB10-R	2CCS864002R1105		0.98	1
	13	210540	S804S-UCB13-R	2CCS864002R1135		0.98	1
	16	210557	S804S-UCB16-R	2CCS864002R1165		0.98	1
	20	210564	S804S-UCB20-R	2CCS864002R1205		0.98	1
	25	210571	S804S-UCB25-R	2CCS864002R1255		0.98	1
	32	210588	S804S-UCB32-R	2CCS864002R1325		0.98	1
	40	208608	S804S-UCB40-R	2CCS864002R1405		0.98	1
	50	208615	S804S-UCB50-R	2CCS864002R1505		0.98	1
	63	208622	S804S-UCB63-R	2CCS864002R1635		0.98	1
	80	208639	S804S-UCB80-R	2CCS864002R1805		0.98	1
	100	208646	S804S-UCB100-R	2CCS864002R1825		0.98	1
	125	208653	S804S-UCB125-R	2CCS864002R1845		0.98	1

MCBs

S800S series DC range with cage terminal, UC, K characteristic
High performance MCBs



S801S



S802S

S800, UC, K characteristic

Function: protection and control of the circuits like motors, transformer and auxiliary circuits, against overloads and short-circuits when a high breaking capacity is required; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream; version dedicated to application in direct current circuits.

Advantages: no nuisance tripping in the case of functional peak currents up to $10 \times I_n$, depending on the series; through its highly sensitive thermostatic bimetal trip, the K-type characteristic offers protection to damageable elements in the overcurrent range; it also provides the best protection to cables and lines.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

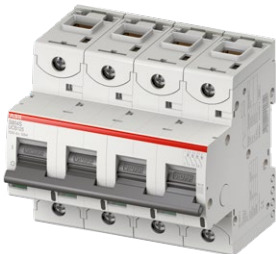
Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	10	203320	S801S-UCK10	2CCS861001R1427		0.245	1
	13	203337	S801S-UCK13	2CCS861001R1447		0.245	1
	16	203344	S801S-UCK16	2CCS861001R1467		0.245	1
	20	203351	S801S-UCK20	2CCS861001R1487		0.245	1
	25	203368	S801S-UCK25	2CCS861001R1517		0.245	1
	32	203375	S801S-UCK32	2CCS861001R1537		0.245	1
	40	203382	S801S-UCK40	2CCS861001R1557		0.245	1
	50	203399	S801S-UCK50	2CCS861001R1577		0.245	1
	63	203405	S801S-UCK63	2CCS861001R1597		0.245	1
	80	203412	S801S-UCK80	2CCS861001R1627		0.245	1
	100	203429	S801S-UCK100	2CCS861001R1637		0.245	1
	125	203436	S801S-UCK125	2CCS861001R1647		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	10	203443	S802S-UCK10	2CCS862001R1427		0.49	1
	13	203450	S802S-UCK13	2CCS862001R1447		0.49	1
	16	203467	S802S-UCK16	2CCS862001R1467		0.49	1
	20	203474	S802S-UCK20	2CCS862001R1487		0.49	1
	25	203481	S802S-UCK25	2CCS862001R1517		0.49	1
	32	203498	S802S-UCK32	2CCS862001R1537		0.49	1
	40	203504	S802S-UCK40	2CCS862001R1557		0.49	1
	50	203511	S802S-UCK50	2CCS862001R1577		0.49	1
	63	203528	S802S-UCK63	2CCS862001R1597		0.49	1
	80	203535	S802S-UCK80	2CCS862001R1627		0.49	1
	100	203542	S802S-UCK100	2CCS862001R1637		0.49	1
	125	203559	S802S-UCK125	2CCS862001R1647		0.49	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	10	203566	S803S-UCK10	2CCS863001R1427		0.735	1
	13	203573	S803S-UCK13	2CCS863001R1447		0.735	1
	16	203580	S803S-UCK16	2CCS863001R1467		0.735	1
	20	203597	S803S-UCK20	2CCS863001R1487		0.735	1
	25	203603	S803S-UCK25	2CCS863001R1517		0.735	1
	32	203610	S803S-UCK32	2CCS863001R1537		0.735	1
	40	203627	S803S-UCK40	2CCS863001R1557		0.735	1
	50	203634	S803S-UCK50	2CCS863001R1577		0.735	1
	63	203641	S803S-UCK63	2CCS863001R1597		0.735	1
	80	203658	S803S-UCK80	2CCS863001R1627		0.735	1
	100	203665	S803S-UCK100	2CCS863001R1637		0.735	1
	125	203672	S803S-UCK125	2CCS863001R1647		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	10	203689	S804S-UCK10	2CCS864001R1427		0.98	1
	13	203696	S804S-UCK13	2CCS864001R1447		0.98	1
	16	203702	S804S-UCK16	2CCS864001R1467		0.98	1
	20	203719	S804S-UCK20	2CCS864001R1487		0.98	1
	25	203726	S804S-UCK25	2CCS864001R1517		0.98	1
	32	203733	S804S-UCK32	2CCS864001R1537		0.98	1
	40	203740	S804S-UCK40	2CCS864001R1557		0.98	1
	50	203757	S804S-UCK50	2CCS864001R1577		0.98	1
	63	203764	S804S-UCK63	2CCS864001R1597		0.98	1
	80	203771	S804S-UCK80	2CCS864001R1627		0.98	1
	100	203788	S804S-UCK100	2CCS864001R1637		0.98	1
	125	203795	S804S-UCK125	2CCS864001R1647		0.98	1

MCBs

S800S series DC range with ring terminal connection, UC, K characteristic
High performance MCBs



S801S



S802S

S800S, UC, K characteristic

Function: protection and control of the circuits like motors, transformer and auxiliary circuits, against overloads and short-circuits when a high breaking capacity is required; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream; version dedicated to application in direct current circuits.

Advantages: no nuisance tripping in the case of functional peak currents up to 10xIn, depending on the series; through its highly sensitive thermostatic bimetal trip, the K-type characteristic offers protection to damageable elements in the overcurrent range; it also provides the best protection to cables and lines.

Standards: IEC/EN 60947-2

Hazard level R26/HL3 according to EN 45545

Category 1 - Class B (Body mounted) according to IEC 61373

Icu=50 kA

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
1	10	210595	S801S-UCK10-R	2CCS861002R1427		0.245	1
	13	210601	S801S-UCK13-R	2CCS861002R1447		0.245	1
	16	210618	S801S-UCK16-R	2CCS861002R1467		0.245	1
	20	210625	S801S-UCK20-R	2CCS861002R1487		0.245	1
	25	210632	S801S-UCK25-R	2CCS861002R1517		0.245	1
	32	210649	S801S-UCK32-R	2CCS861002R1537		0.245	1
	40	208660	S801S-UCK40-R	2CCS861002R1557		0.245	1
	50	208677	S801S-UCK50-R	2CCS861002R1577		0.245	1
	63	208684	S801S-UCK63-R	2CCS861002R1597		0.245	1
	80	208691	S801S-UCK80-R	2CCS861002R1627		0.245	1
	100	208707	S801S-UCK100-R	2CCS861002R1637		0.245	1
	125	208714	S801S-UCK125-R	2CCS861002R1647		0.245	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
	In A	EAN	Type code	Order code		kg	pc.
2	10	210656	S802S-UCK10-R	2CCS862002R1427		0.490	1
	13	210663	S802S-UCK13-R	2CCS862002R1447		0.490	1
	16	210670	S802S-UCK16-R	2CCS862002R1467		0.490	1
	20	210687	S802S-UCK20-R	2CCS862002R1487		0.490	1
	25	210694	S802S-UCK25-R	2CCS862002R1517		0.490	1
	32	210700	S802S-UCK32-R	2CCS862002R1537		0.490	1
	40	208721	S802S-UCK40-R	2CCS862002R1557		0.490	1
	50	208738	S802S-UCK50-R	2CCS862002R1577		0.490	1
	63	208745	S802S-UCK63-R	2CCS862002R1597		0.490	1
	80	208752	S802S-UCK80-R	2CCS862002R1627		0.490	1
	100	208769	S802S-UCK100-R	2CCS862002R1637		0.490	1
	125	208776	S802S-UCK125-R	2CCS862002R1647		0.490	1



S803S



S804S

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
3	10	210717	S803S-UCK10-R	2CCS863002R1427		0.735	1
	13	210724	S803S-UCK13-R	2CCS863002R1447		0.735	1
	16	210731	S803S-UCK16-R	2CCS863002R1467		0.735	1
	20	210748	S803S-UCK20-R	2CCS863002R1487		0.735	1
	25	210755	S803S-UCK25-R	2CCS863002R1517		0.735	1
	32	210762	S803S-UCK32-R	2CCS863002R1537		0.735	1
	40	208783	S803S-UCK40-R	2CCS863002R1557		0.735	1
	50	208790	S803S-UCK50-R	2CCS863002R1577		0.735	1
	63	208806	S803S-UCK63-R	2CCS863002R1597		0.735	1
	80	208813	S803S-UCK80-R	2CCS863002R1627		0.735	1
	100	208820	S803S-UCK100-R	2CCS863002R1637		0.735	1
	125	208837	S803S-UCK125-R	2CCS863002R1647		0.735	1

Number of poles	Rated current	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece	Pack unit
			Type code	Order code			
	In A	EAN				kg	pc.
4	10	210779	S804S-UCK10-R	2CCS864002R1427		0.98	1
	13	210786	S804S-UCK13-R	2CCS864002R1447		0.98	1
	16	210793	S804S-UCK16-R	2CCS864002R1467		0.98	1
	20	210809	S804S-UCK20-R	2CCS864002R1487		0.98	1
	25	210816	S804S-UCK25-R	2CCS864002R1517		0.98	1
	32	210823	S804S-UCK32-R	2CCS864002R1537		0.98	1
	40	208844	S804S-UCK40-R	2CCS864002R1557		0.98	1
	50	208851	S804S-UCK50-R	2CCS864002R1577		0.98	1
	63	208868	S804S-UCK63-R	2CCS864002R1597		0.98	1
	80	208875	S804S-UCK80-R	2CCS864002R1627		0.98	1
	100	208882	S804S-UCK100-R	2CCS864002R1637		0.98	1
	125	208899	S804S-UCK125-R	2CCS864002R1647		0.98	1

MCBs

S800N series technical features

High performance MCBs

S800N		
General Data		
Tripping characteristics		B, C, D
Standards		IEC/EN 60947-2, EN 60898-1
Poles		1 ... 4
Rated current I _e	A	6 ... 125
Rated frequency f	Hz	50/60
Rated insulation voltage U _i acc. to IEC/EN 60664-1	V	AC 690
Rated impulse withstand voltage U _{imp} . (1.2/50µs)	kV	8
Overvoltage category		IV
Pollution degree		3
Suitability for isolation		yes
Data acc. to IEC/EN 60898-1		
Rated operational voltage U _e	V	AC 230/400
Min. operating voltage	V	AC 12
Rated short-circuit capacity I _{cn}	kA	AC 230/400V (10 ... 80A) = 20kA
Reference temperature for tripping characteristics	°C	30°C (Char. B, C, D)
Electrical and Mechanical Endurance	ops	10...32 A: 10000 electrical / 10000 mechanical 40...80 A: 6000 electrical / 10000 mechanical
Service short-circuit capacity I _{cs}	kA	230/400V (10 ... 80A) = 10kA
Data acc. to IEC/EN 60947-2		
Rated operational voltage U _e	V	AC 400/690 DC 125 (1-pole) DC 250 (2-pole) DC 375 (3-pole) DC 500 (4-pole)
Min. operating voltage	V	AC 12
Rated ultimate short-circuit capacity I _{cu}	kA	AC 240/415 V = 36 kA AC 254/440 V = 20 kA AC 289/500 V = 10 kA AC 400/690 V = 4.5 kA DC 125 V (1-pole) = 20 kA DC 250 V (2-pole) = 20 kA DC 375 V (3-pole) = 20 kA DC 500 V (4-pole) = 20 kA
Rated service short-circuit capacity I _{cs}	kA	AC 240/415 V = 30 kA AC 254/440 V (up to 63 A) = 15 kA AC 254/440 V (80 ... 125 A) = 10 kA AC 289/500 V (up to 80 A) = 8 kA AC 289/500 V (100 ... 125) = 5 kA AC 400/690 V = 3 kA DC 125 V (1-pole) = 20 kA DC 250 V (2-pole) = 20 kA DC 375 V (3-pole) = 20 kA DC 500 V (4-pole) = 20 kA
Reference temperature for tripping characteristics	°C	30°C
Electrical and Mechanical Endurance	ops.	6 ... 32 A: 10000 electrical/10000 mechanical 40 ... 100 A: 6000 electrical/10000 mechanical 125 A: 4000 electrical/8000 mechanical
Mechanical Data		
Housing		Material group I, RAL 7035
Toggle		black, lockable
Classification acc. To NF F 126-101, NF F 16-102		I3, F2
Protection degree acc. to EN 60529		IP20; IP40 (actuating end only)
Shock resistance acc. to IEC/EN 60068-2-30		IEC 61373 Cat. 1 Class B, 5g / 30ms acc. To IEC 60068-27 Test Ea
Vibration resistance acc. to IEC/EN 60068-2-6		IEC 60068-2-6 Test Fc; 2–13.2 Hz/1 mm 13.2–100 Hz/0.7 g with load 100% x I _e
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	12 + 12 cycle with 55 °C/90–96% and 25 °C/95–100%
Environmental conditions (dry heat) acc. to IEC/EN 60068-2-2 Test B	°C/RH	16 hours 55 °C/2 hours 70 °C with damp heat 55 %
Ambient temperature	°C	– 25 ... +60
Storage temperature	°C	– 40 ... +70

S800N		
Installation		
Terminal		Failsafe cage or ringlug terminal
Connections (top/bottom) – Cu only	mm²	1 ... 50 stranded 1 ... 70 flexible
Tightening torque	Nm	3.5
	in-lbs.	31
Screwdriver		POZI 2
Mounting		EN 60715
Mounting position		any
Supply		any
Dimensions and weight		
Pole dimensions (H x L x W)	mm	82.5 x 95 x 26.5
Pole weight	g	ca. 240

MCBs

S800N series with cage terminal, B characteristic

High performance MCBs

S800N-B characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60898, IEC/EN 60947-2

Icn=20 kA (10 ... 80 A)

Icu=36 kA



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	6	408428	S801N-B6	2CCS891001R0065	0.24	1
	8	411640	S801N-B8	2CCS891001R0085	0.24	1
	10	203801	S801N-B10	2CCS891001R0105	0.24	1
	13	203818	S801N-B13	2CCS891001R0135	0.24	1
	16	203825	S801N-B16	2CCS891001R0165	0.24	1
	20	203832	S801N-B20	2CCS891001R0205	0.24	1
	25	203849	S801N-B25	2CCS891001R0255	0.24	1
	32	203856	S801N-B32	2CCS891001R0325	0.24	1
	40	203863	S801N-B40	2CCS891001R0405	0.24	1
	50	203870	S801N-B50	2CCS891001R0505	0.24	1
	63	203887	S801N-B63	2CCS891001R0635	0.24	1
	80	203894	S801N-B80	2CCS891001R0805	0.24	1
	100	203900	S801N-B100	2CCS891001R0825	0.24	1
	125	203917	S801N-B125	2CCS891001R0845	0.24	1
2	6	408435	S802N-B6	2CCS892001R0065	0.48	1
	8	411657	S802N-B8	2CCS892001R0085	0.48	1
	10	203924	S802N-B10	2CCS892001R0105	0.48	1
	13	203931	S802N-B13	2CCS892001R0135	0.48	1
	16	203948	S802N-B16	2CCS892001R0165	0.48	1
	20	203955	S802N-B20	2CCS892001R0205	0.48	1
	25	203962	S802N-B25	2CCS892001R0255	0.48	1
	32	203979	S802N-B32	2CCS892001R0325	0.48	1
	40	203986	S802N-B40	2CCS892001R0405	0.48	1
	50	203993	S802N-B50	2CCS892001R0505	0.48	1
	63	204006	S802N-B63	2CCS892001R0635	0.48	1
	80	204013	S802N-B80	2CCS892001R0805	0.48	1
	100	204020	S802N-B100	2CCS892001R0825	0.48	1
	125	204037	S802N-B125	2CCS892001R0845	0.48	1



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
3	6	408442	S803N-B6	2CCS893001R0065	0.72	1
	8	411664	S803N-B8	2CCS893001R0085	0.72	1
	10	204044	S803N-B10	2CCS893001R0105	0.72	1
	13	204051	S803N-B13	2CCS893001R0135	0.72	1
	16	204068	S803N-B16	2CCS893001R0165	0.72	1
	20	204075	S803N-B20	2CCS893001R0205	0.72	1
	25	204082	S803N-B25	2CCS893001R0255	0.72	1
	32	204099	S803N-B32	2CCS893001R0325	0.72	1
	40	204105	S803N-B40	2CCS893001R0405	0.72	1
	50	204112	S803N-B50	2CCS893001R0505	0.72	1
	63	204129	S803N-B63	2CCS893001R0635	0.72	1
	80	204136	S803N-B80	2CCS893001R0805	0.72	1
	100	204143	S803N-B100	2CCS893001R0825	0.72	1
	125	204150	S803N-B125	2CCS893001R0845	0.72	1
4	6	408459	S804N-B6	2CCS894001R0065	0.96	1
	8	411671	S804N-B8	2CCS894001R0085	0.96	1
	10	204167	S804N-B10	2CCS894001R0105	0.96	1
	13	204174	S804N-B13	2CCS894001R0135	0.96	1
	16	204181	S804N-B16	2CCS894001R0165	0.96	1
	20	204198	S804N-B20	2CCS894001R0205	0.96	1
	25	204204	S804N-B25	2CCS894001R0255	0.96	1
	32	204211	S804N-B32	2CCS894001R0325	0.96	1
	40	204228	S804N-B40	2CCS894001R0405	0.96	1
	50	204235	S804N-B50	2CCS894001R0505	0.96	1
	63	204242	S804N-B63	2CCS894001R0635	0.96	1
	80	204259	S804N-B80	2CCS894001R0805	0.96	1
	100	204266	S804N-B100	2CCS894001R0825	0.96	1
	125	204273	S804N-B125	2CCS894001R0845	0.96	1

MCBs

S800N series with cage terminal, C characteristic

High performance MCBs

S800N-C characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for resistive and inductive loads with low inrush current; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60898, IEC/EN 60947-2

Icn=20 kA (10 ... 80 A)

Icu=36 kA



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	6	408466	S801N-C6	2CCS891001R0064	0.24	1
	8	411688	S801N-C8	2CCS891001R0084	0.24	1
	10	204280	S801N-C10	2CCS891001R0104	0.24	1
	13	204297	S801N-C13	2CCS891001R0134	0.24	1
	16	204303	S801N-C16	2CCS891001R0164	0.24	1
	20	204310	S801N-C20	2CCS891001R0204	0.24	1
	25	204327	S801N-C25	2CCS891001R0254	0.24	1
	32	204334	S801N-C32	2CCS891001R0324	0.24	1
	40	204341	S801N-C40	2CCS891001R0404	0.24	1
	50	204358	S801N-C50	2CCS891001R0504	0.24	1
	63	204365	S801N-C63	2CCS891001R0634	0.24	1
	80	204372	S801N-C80	2CCS891001R0804	0.24	1
	100	204389	S801N-C100	2CCS891001R0824	0.24	1
	125	204396	S801N-C125	2CCS891001R0844	0.24	1
2	6	408473	S802N-C6	2CCS892001R0064	0.48	1
	8	411695	S802N-C8	2CCS892001R0084	0.48	1
	10	204402	S802N-C10	2CCS892001R0104	0.48	1
	13	204419	S802N-C13	2CCS892001R0134	0.48	1
	16	204426	S802N-C16	2CCS892001R0164	0.48	1
	20	204433	S802N-C20	2CCS892001R0204	0.48	1
	25	204440	S802N-C25	2CCS892001R0254	0.48	1
	32	204457	S802N-C32	2CCS892001R0324	0.48	1
	40	204464	S802N-C40	2CCS892001R0404	0.48	1
	50	204471	S802N-C50	2CCS892001R0504	0.48	1
	63	204488	S802N-C63	2CCS892001R0634	0.48	1
	80	204495	S802N-C80	2CCS892001R0804	0.48	1
	100	204501	S802N-C100	2CCS892001R0824	0.48	1
	125	204518	S802N-C125	2CCS892001R0844	0.48	1



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
3	6	408480	S803N-C6	2CCS893001R0064	0.72	1
	8	411701	S803N-C8	2CCS893001R0084	0.72	1
	10	204525	S803N-C10	2CCS893001R0104	0.72	1
	13	204532	S803N-C13	2CCS893001R0134	0.72	1
	16	204549	S803N-C16	2CCS893001R0164	0.72	1
	20	204556	S803N-C20	2CCS893001R0204	0.72	1
	25	204563	S803N-C25	2CCS893001R0254	0.72	1
	32	204570	S803N-C32	2CCS893001R0324	0.72	1
	40	204587	S803N-C40	2CCS893001R0404	0.72	1
	50	204594	S803N-C50	2CCS893001R0504	0.72	1
	63	204600	S803N-C63	2CCS893001R0634	0.72	1
	80	204617	S803N-C80	2CCS893001R0804	0.72	1
	100	204624	S803N-C100	2CCS893001R0824	0.72	1
	125	204631	S803N-C125	2CCS893001R0844	0.72	1
4	6	408497	S804N-C6	2CCS894001R0064	0.96	1
	8	411718	S804N-C8	2CCS894001R0084	0.96	1
	10	204648	S804N-C10	2CCS894001R0104	0.96	1
	13	204655	S804N-C13	2CCS894001R0134	0.96	1
	16	204662	S804N-C16	2CCS894001R0164	0.96	1
	20	204679	S804N-C20	2CCS894001R0204	0.96	1
	25	204686	S804N-C25	2CCS894001R0254	0.96	1
	32	204693	S804N-C32	2CCS894001R0324	0.96	1
	40	204709	S804N-C40	2CCS894001R0404	0.96	1
	50	204716	S804N-C50	2CCS894001R0504	0.96	1
	63	204723	S804N-C63	2CCS894001R0634	0.96	1
	80	204730	S804N-C80	2CCS894001R0804	0.96	1
	100	204747	S804N-C100	2CCS894001R0824	0.96	1
	125	204754	S804N-C125	2CCS894001R0844	0.96	1

MCBs

S800N series with cage terminal, D characteristic

High performance MCBs

S800N-D characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for circuits which supply loads with high inrush current at the circuit closing (motors, LV / LV transformers, breakdown lamps); very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60898, IEC/EN 60947-2

Icn=20 kA (10 ... 80 A)

Icu=36 kA



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	6	408503	S801N-D6	2CCS891001R0061	0.24	1
	8	411725	S801N-D8	2CCS891001R0081	0.24	1
	10	204761	S801N-D10	2CCS891001R0101	0.24	1
	13	204778	S801N-D13	2CCS891001R0131	0.24	1
	16	204785	S801N-D16	2CCS891001R0161	0.24	1
	20	204792	S801N-D20	2CCS891001R0201	0.24	1
	25	204808	S801N-D25	2CCS891001R0251	0.24	1
	32	204815	S801N-D32	2CCS891001R0321	0.24	1
	40	204822	S801N-D40	2CCS891001R0401	0.24	1
	50	204839	S801N-D50	2CCS891001R0501	0.24	1
	63	204846	S801N-D63	2CCS891001R0631	0.24	1
	80	204853	S801N-D80	2CCS891001R0801	0.24	1
	100	204860	S801N-D100	2CCS891001R0821	0.24	1
	125	204877	S801N-D125	2CCS891001R0841	0.24	1
2	6	408510	S802N-D6	2CCS892001R0061	0.49	1
	8	411732	S802N-D8	2CCS892001R0081	0.49	1
	10	204884	S802N-D10	2CCS892001R0101	0.49	1
	13	204891	S802N-D13	2CCS892001R0131	0.49	1
	16	204907	S802N-D16	2CCS892001R0161	0.49	1
	20	204914	S802N-D20	2CCS892001R0201	0.49	1
	25	204921	S802N-D25	2CCS892001R0251	0.49	1
	32	204938	S802N-D32	2CCS892001R0321	0.49	1
	40	204945	S802N-D40	2CCS892001R0401	0.49	1
	50	204952	S802N-D50	2CCS892001R0501	0.49	1
	63	204969	S802N-D63	2CCS892001R0631	0.49	1
	80	204976	S802N-D80	2CCS892001R0801	0.49	1
	100	204983	S802N-D100	2CCS892001R0821	0.49	1
	125	204990	S802N-D125	2CCS892001R0841	0.49	1
3	6	408527	S803N-D6	2CCS893001R0061	0.74	1
	8	411749	S803N-D8	2CCS893001R0081	0.74	1
	10	205003	S803N-D10	2CCS893001R0101	0.74	1
	13	205010	S803N-D13	2CCS893001R0131	0.74	1
	16	205027	S803N-D16	2CCS893001R0161	0.74	1
	20	205034	S803N-D20	2CCS893001R0201	0.74	1
	25	205041	S803N-D25	2CCS893001R0251	0.74	1
	32	205058	S803N-D32	2CCS893001R0321	0.74	1
	40	205065	S803N-D40	2CCS893001R0401	0.74	1
	50	205072	S803N-D50	2CCS893001R0501	0.74	1
	63	205089	S803N-D63	2CCS893001R0631	0.74	1
	80	205096	S803N-D80	2CCS893001R0801	0.74	1
	100	205102	S803N-D100	2CCS893001R0821	0.74	1
	125	205119	S803N-D125	2CCS893001R0841	0.74	1



Number of poles	Rated current [A]	GTIN EAN 7612271	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
4	6	408534	S804N-D6	2CCS894001R0061	0.98	1
	8	411756	S804N-D8	2CCS894001R0081	0.98	1
	10	205126	S804N-D10	2CCS894001R0101	0.98	1
	13	205133	S804N-D13	2CCS894001R0131	0.98	1
	16	205140	S804N-D16	2CCS894001R0161	0.98	1
	20	205157	S804N-D20	2CCS894001R0201	0.98	1
	25	205164	S804N-D25	2CCS894001R0251	0.98	1
	32	205171	S804N-D32	2CCS894001R0321	0.98	1
	40	205188	S804N-D40	2CCS894001R0401	0.98	1
	50	205195	S804N-D50	2CCS894001R0501	0.98	1
	63	205201	S804N-D63	2CCS894001R0631	0.98	1
	80	205218	S804N-D80	2CCS894001R0801	0.98	1
	100	205225	S804N-D100	2CCS894001R0821	0.98	1
	125	205232	S804N-D125	2CCS894001R0841	0.98	1

MCBs

S800C series technical features

High performance MCBs

S800C		
General Data		
Tripping characteristics		B, C, D, K
Standards		IEC/EN 60947-2, EN 60898-1, UL 1077
Poles		1 ... 4
Rated current I _e	A	10 ... 125
Rated frequency f	Hz	50/60
Rated insulation voltage U _i acc. to IEC/EN 60664-1	V	AC 500
Rated impulse withstand voltage U _{imp} . (1.2/50µs)	kV	8
Overvoltage category		IV
Pollution degree		3
Suitability for isolation		yes
Data acc. to IEC/EN 60898-1		
Rated operational voltage U _e	V	AC 230/400
Min. operating voltage	V	AC 12
Rated short-circuit capacity I _{cn}	kA	15kA
Reference temperature for tripping characteristics	°C	30°C (Char. B, C, D)
Electrical and Mechanical Endurance	ops	10 ... 32 A: 10000 electrical/10000 mechanical 40 ... 100 A: 6000 electrical/10000 mechanical 125 A: 4000 electrical/8000 mechanical
Service short-circuit capacity I _{cs}	kA	Char. B, C, D: 230/400V = 7.5 kA
Data acc. to IEC/EN 60947-2		
Rated operational voltage U _e	V	AC 240/415 DC 125 (1-pole) DC 250 (2-pole) DC 375 (3-pole) DC 500 (4-pole)
Min. operating voltage	V	AC 12
Rated ultimate short-circuit capacity I _{cu}	kA	AC 240/415V = 25 kA AC 254/440V = 15kA DC 125V (1-pole) = 10kA DC 250V (2-pole) = 10kA DC 375V (3-pole) = 10kA DC 500V (4-pole) = 10kA
Rated service short-circuit capacity I _{cs}	kA	AC 240/415V = 18kA AC 254/440V = 10kA DC 125V (1-pole) = 10kA DC 250V (2-pole) = 10kA DC 375V (3-pole) = 10kA DC 500V (4-pole) = 10kA
Reference temperature for tripping characteristics	°C	B, C, D: 30°C K: 40 °C
Electrical and Mechanical Endurance	ops.	6 ... 32 A: 10000 electrical/10000 mechanical 40 ... 100 A: 6000 electrical/10000 mechanical 125 A: 4000 electrical/8000 mechanical
Mechanical Data		
Housing		Material group I, RAL 7035
Toggle		black, lockable
Classification acc. To NF F 126-101, NF F 16-102		I3, F2
Protection degree acc. to EN 60529		IP20; IP40 (actuating end only)
Shock resistance acc. to IEC/EN 60068-2-30		IEC 61373 Cat. 1 Class B, 5g / 30ms acc. To IEC 60068-27 Test Ea
Vibration resistance acc. to IEC/EN 60068-2-6		IEC 60068-2-6 Test Fc; 2–13.2Hz/1 mm 13.2–100Hz/0.7 g with load 100% x I _e
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	12 + 12 cycle with 55°C/90–96% and 25°C/95–100%
Environmental conditions (dry heat) acc. to IEC/EN 60068-2-2 Test B	°C/RH	16 hours 55°C/2 hours 70°C with damp heat 55%
Ambient temperature	°C	–25 ... +60
Storage temperature	°C	–40 ... +70
Data acc. to UL 1077/ C22.2 No 235, Supplementary Protector		
Alternating current: int. cap.		1 240: 20(≤ 100A) 277: 10 (≤ 100A) 2,3,4 240: 20 (≤ 100A) 480 Y/277: 10 (≤ 100A)
Direct current: int. cap.		1 125: 10 (≤ 100A) 2, 3, 4 250: 10 (2P, ≤ 100A) 375: 10 (3P, ≤ 100A) 500: 10 (4P, ≤ 100A)

S800C		
Installation		
Terminal		Failsafe cage or ringlug terminal
Connections (top/bottom) – Cu only	mm ²	1 ... 50 stranded
	AWG	1 ... 70 flexible 10 - 30 A: 14 AWG – 2 AWG 40 - 100 A: 14 AWG – 2 AWG
Tightening torque	Nm	3.5
	in-lbs.	31
Screwdriver		POZI 2
Mounting		EN 60715
Mounting position		any
Supply		any
Dimensions and weight		
Pole dimensions (H x L x W)	mm	82.5 x 95 x 26.5
Pole weight	g	ca. 240

MCBs

S800C series with cage terminal, B characteristic

High performance MCBs

S800C-B characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60947-2, IEC/EN 60898, UL 1077, supplementary protector

Icn=15 kA

Icu=25 kA



Number of poles	Rated current [A]	GTIN EAN 76122712	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	10	12087	S801C-B10	2CCS881001R0105	0.25	1
	13	12247	S801C-B13	2CCS881001R0135	0.25	1
	16	12407	S801C-B16	2CCS881001R0165	0.25	1
	20	12568	S801C-B20	2CCS881001R0205	0.25	1
	25	12728	S801C-B25	2CCS881001R0255	0.25	1
	32	12889	S801C-B32	2CCS881001R0325	0.25	1
	40	13046	S801C-B40	2CCS881001R0405	0.25	1
	50	13206	S801C-B50	2CCS881001R0505	0.25	1
	63	13367	S801C-B63	2CCS881001R0635	0.25	1
	80	13527	S801C-B80	2CCS881001R0805	0.25	1
	100	13688	S801C-B100	2CCS881001R0825	0.25	1
	125	13848	S801C-B125	2CCS881001R0845	0.25	1
2	10	12094	S802C-B10	2CCS882001R0105	0.49	1
	13	12254	S802C-B13	2CCS882001R0135	0.49	1
	16	12414	S802C-B16	2CCS882001R0165	0.49	1
	20	12575	S802C-B20	2CCS882001R0205	0.49	1
	25	12735	S802C-B25	2CCS882001R0255	0.49	1
	32	12896	S802C-B32	2CCS882001R0325	0.49	1
	40	13053	S802C-B40	2CCS882001R0405	0.49	1
	50	13213	S802C-B50	2CCS882001R0505	0.49	1
	63	13374	S802C-B63	2CCS882001R0635	0.49	1
	80	13534	S802C-B80	2CCS882001R0805	0.49	1
	100	13695	S802C-B100	2CCS882001R0825	0.49	1
	125	13855	S802C-B125	2CCS882001R0845	0.49	1
3	10	12100	S803C-B10	2CCS883001R0105	0.74	1
	13	12261	S803C-B13	2CCS883001R0135	0.74	1
	16	12421	S803C-B16	2CCS883001R0165	0.74	1
	20	12582	S803C-B20	2CCS883001R0205	0.74	1
	25	12742	S803C-B25	2CCS883001R0255	0.74	1
	32	12902	S803C-B32	2CCS883001R0325	0.74	1
	40	13060	S803C-B40	2CCS883001R0405	0.74	1
	50	13220	S803C-B50	2CCS883001R0505	0.74	1
	63	13381	S803C-B63	2CCS883001R0635	0.74	1
	80	13541	S803C-B80	2CCS883001R0805	0.74	1
	100	13701	S803C-B100	2CCS883001R0825	0.74	1
	125	13862	S803C-B125	2CCS883001R0845	0.74	1
4	10	12117	S804C-B10	2CCS884001R0105	0.98	1
	13	12278	S804C-B13	2CCS884001R0135	0.98	1
	16	12438	S804C-B16	2CCS884001R0165	0.98	1
	20	12599	S804C-B20	2CCS884001R0205	0.98	1
	25	12759	S804C-B25	2CCS884001R0255	0.98	1
	32	12919	S804C-B32	2CCS884001R0325	0.98	1
	40	13077	S804C-B40	2CCS884001R0405	0.98	1
	50	13237	S804C-B50	2CCS884001R0505	0.98	1
	63	13398	S804C-B63	2CCS884001R0635	0.98	1
	80	13558	S804C-B80	2CCS884001R0805	0.98	1
	100	13718	S804C-B100	2CCS884001R0825	0.98	1
	125	13879	S804C-B125	2CCS884001R0845	0.98	1

MCBs

S800C series with cage terminal, C characteristic

High performance MCBs

S800C-C characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60947-2, IEC/EN 60898, UL 1077, supplementary protector

Icn=15 kA

Icu=25 kA



Number of poles	Rated current [A]	GTIN EAN 76122712	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	10	12124	S801C-C10	2CCS881001R0104	0.25	1
	13	12285	S801C-C13	2CCS881001R0134	0.25	1
	16	12445	S801C-C16	2CCS881001R0164	0.25	1
	20	12605	S801C-C20	2CCS881001R0204	0.25	1
	25	12766	S801C-C25	2CCS881001R0254	0.25	1
	32	12926	S801C-C32	2CCS881001R0324	0.25	1
	40	13084	S801C-C40	2CCS881001R0404	0.25	1
	50	13244	S801C-C50	2CCS881001R0504	0.25	1
	63	13404	S801C-C63	2CCS881001R0634	0.25	1
	80	13565	S801C-C80	2CCS881001R0804	0.25	1
	100	13725	S801C-C100	2CCS881001R0824	0.25	1
	125	13886	S801C-C125	2CCS881001R0844	0.25	1
2	10	12131	S802C-C10	2CCS882001R0104	0.49	1
	13	12292	S802C-C13	2CCS882001R0134	0.49	1
	16	12452	S802C-C16	2CCS882001R0164	0.49	1
	20	12612	S802C-C20	2CCS882001R0204	0.49	1
	25	12773	S802C-C25	2CCS882001R0254	0.49	1
	32	12933	S802C-C32	2CCS882001R0324	0.49	1
	40	13091	S802C-C40	2CCS882001R0404	0.49	1
	50	13251	S802C-C50	2CCS882001R0504	0.49	1
	63	13411	S802C-C63	2CCS882001R0634	0.49	1
	80	13572	S802C-C80	2CCS882001R0804	0.49	1
	100	13732	S802C-C100	2CCS882001R0824	0.49	1
	125	13893	S802C-C125	2CCS882001R0844	0.49	1
3	10	12148	S803C-C10	2CCS883001R0104	0.74	1
	13	12308	S803C-C13	2CCS883001R0134	0.74	1
	16	12469	S803C-C16	2CCS883001R0164	0.74	1
	20	12629	S803C-C20	2CCS883001R0204	0.74	1
	25	12780	S803C-C25	2CCS883001R0254	0.74	1
	32	12940	S803C-C32	2CCS883001R0324	0.74	1
	40	13107	S803C-C40	2CCS883001R0404	0.74	1
	50	13268	S803C-C50	2CCS883001R0504	0.74	1
	63	13428	S803C-C63	2CCS883001R0634	0.74	1
	80	13589	S803C-C80	2CCS883001R0804	0.74	1
	100	13749	S803C-C100	2CCS883001R0824	0.74	1
	125	13909	S803C-C125	2CCS883001R0844	0.74	1
4	10	12155	S804C-C10	2CCS884001R0104	0.98	1
	13	12315	S804C-C13	2CCS884001R0134	0.98	1
	16	12476	S804C-C16	2CCS884001R0164	0.98	1
	20	12636	S804C-C20	2CCS884001R0204	0.98	1
	25	12797	S804C-C25	2CCS884001R0254	0.98	1
	32	12957	S804C-C32	2CCS884001R0324	0.98	1
	40	13114	S804C-C40	2CCS884001R0404	0.98	1
	50	13275	S804C-C50	2CCS884001R0504	0.98	1
	63	13435	S804C-C63	2CCS884001R0634	0.98	1
	80	13596	S804C-C80	2CCS884001R0804	0.98	1
	100	13756	S804C-C100	2CCS884001R0824	0.98	1
	125	13916	S804C-C125	2CCS884001R0844	0.98	1

MCBs

S800C series with cage terminal, D characteristic

High performance MCBs

S800C-D characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60947-2, IEC/EN 60898, UL 1077, supplementary protector

Icn=15kA

Icu=25 kA



Number of poles	Rated current [A]	GTIN EAN 76122712	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	10	12162	S801C-D10	2CCS881001R0101	0.25	1
	13	12322	S801C-D13	2CCS881001R0131	0.25	1
	16	12483	S801C-D16	2CCS881001R0161	0.25	1
	20	12643	S801C-D20	2CCS881001R0201	0.25	1
	25	12803	S801C-D25	2CCS881001R0251	0.25	1
	32	12964	S801C-D32	2CCS881001R0321	0.25	1
	40	13121	S801C-D40	2CCS881001R0401	0.25	1
	50	13282	S801C-D50	2CCS881001R0501	0.25	1
	63	13442	S801C-D63	2CCS881001R0631	0.25	1
	80	13602	S801C-D80	2CCS881001R0801	0.25	1
	100	13763	S801C-D100	2CCS881001R0821	0.25	1
	125	13923	S801C-D125	2CCS881001R0841	0.25	1
2	10	12179	S802C-D10	2CCS882001R0101	0.49	1
	13	12339	S802C-D13	2CCS882001R0131	0.49	1
	16	12490	S802C-D16	2CCS882001R0161	0.49	1
	20	12650	S802C-D20	2CCS882001R0201	0.49	1
	25	12810	S802C-D25	2CCS882001R0251	0.49	1
	32	12971	S802C-D32	2CCS882001R0321	0.49	1
	40	13138	S802C-D40	2CCS882001R0401	0.49	1
	50	13299	S802C-D50	2CCS882001R0501	0.49	1
	63	13459	S802C-D63	2CCS882001R0631	0.49	1
	80	13619	S802C-D80	2CCS882001R0801	0.49	1
	100	13770	S802C-D100	2CCS882001R0821	0.49	1
	125	13930	S802C-D125	2CCS882001R0841	0.49	1
3	10	12186	S803C-D10	2CCS883001R0101	0.74	1
	13	12346	S803C-D13	2CCS883001R0131	0.74	1
	16	12506	S803C-D16	2CCS883001R0161	0.74	1
	20	12667	S803C-D20	2CCS883001R0201	0.74	1
	25	12827	S803C-D25	2CCS883001R0251	0.74	1
	32	12988	S803C-D32	2CCS883001R0321	0.74	1
	40	13145	S803C-D40	2CCS883001R0401	0.74	1
	50	13305	S803C-D50	2CCS883001R0501	0.74	1
	63	13466	S803C-D63	2CCS883001R0631	0.74	1
	80	13626	S803C-D80	2CCS883001R0801	0.74	1
	100	13787	S803C-D100	2CCS883001R0821	0.74	1
	125	13947	S803C-D125	2CCS883001R0841	0.74	1
4	10	12193	S804C-D10	2CCS884001R0101	0.98	1
	13	12353	S804C-D13	2CCS884001R0131	0.98	1
	16	12513	S804C-D16	2CCS884001R0161	0.98	1
	20	12674	S804C-D20	2CCS884001R0201	0.98	1
	25	12834	S804C-D25	2CCS884001R0251	0.98	1
	32	12995	S804C-D32	2CCS884001R0321	0.98	1
	40	13152	S804C-D40	2CCS884001R0401	0.98	1
	50	13312	S804C-D50	2CCS884001R0501	0.98	1
	63	13473	S804C-D63	2CCS884001R0631	0.98	1
	80	13633	S804C-D80	2CCS884001R0801	0.98	1
	100	13794	S804C-D100	2CCS884001R0821	0.98	1
	125	13954	S804C-D125	2CCS884001R0841	0.98	1

MCBs

S800C series with cage terminal, K characteristic

High performance MCBs

S800C-K characteristic

Function: protection and control of the circuits against overloads and short-circuits when a high breaking capacity is required; protection for people and big length cables in TN and IT systems; very useful when selectivity is needed vs an MCCB or back-up vs other MCBs wired downstream.

Applications: commercial and industrial.

Standard: IEC/EN 60947-2, UL 1077, supplementary protector

Icu=25 kA



Number of poles	Rated current [A]	GTIN EAN 76122712	Order details		Weight [kg]	Pack. unit
			Type Code	Order code		
1	10	12209	S801C-K10	2CCS881001R0427	0.25	1
	13	12360	S801C-K13	2CCS881001R0447	0.25	1
	16	12520	S801C-K16	2CCS881001R0467	0.25	1
	20	12681	S801C-K20	2CCS881001R0487	0.25	1
	25	12841	S801C-K25	2CCS881001R0517	0.25	1
	32	13008	S801C-K32	2CCS881001R0537	0.25	1
	40	13169	S801C-K40	2CCS881001R0557	0.25	1
	50	13329	S801C-K50	2CCS881001R0577	0.25	1
	63	13480	S801C-K63	2CCS881001R0597	0.25	1
	80	13640	S801C-K80	2CCS881001R0627	0.25	1
	100	13800	S801C-K100	2CCS881001R0637	0.25	1
	125	13961	S801C-K125	2CCS881001R0647	0.25	1
2	10	12216	S802C-K10	2CCS882001R0427	0.49	1
	13	12377	S802C-K13	2CCS882001R0447	0.49	1
	16	12537	S802C-K16	2CCS882001R0467	0.49	1
	20	12698	S802C-K20	2CCS882001R0487	0.49	1
	25	12858	S802C-K25	2CCS882001R0517	0.49	1
	32	13015	S802C-K32	2CCS882001R0537	0.49	1
	40	13176	S802C-K40	2CCS882001R0557	0.49	1
	50	13336	S802C-K50	2CCS882001R0577	0.49	1
	63	13497	S802C-K63	2CCS882001R0597	0.49	1
	80	13657	S802C-K80	2CCS882001R0627	0.49	1
	100	13817	S802C-K100	2CCS882001R0637	0.49	1
	125	13978	S802C-K125	2CCS882001R0647	0.49	1
3	10	12223	S803C-K10	2CCS883001R0427	0.74	1
	13	12384	S803C-K13	2CCS883001R0447	0.74	1
	16	12544	S803C-K16	2CCS883001R0467	0.74	1
	20	12704	S803C-K20	2CCS883001R0487	0.74	1
	25	12865	S803C-K25	2CCS883001R0517	0.74	1
	32	13022	S803C-K32	2CCS883001R0537	0.74	1
	40	13183	S803C-K40	2CCS883001R0557	0.74	1
	50	13343	S803C-K50	2CCS883001R0577	0.74	1
	63	13503	S803C-K63	2CCS883001R0597	0.74	1
	80	13664	S803C-K80	2CCS883001R0627	0.74	1
	100	13824	S803C-K100	2CCS883001R0637	0.74	1
	125	13985	S803C-K125	2CCS883001R0647	0.74	1
4	10	12230	S804C-K10	2CCS884001R0427	0.98	1
	13	12391	S804C-K13	2CCS884001R0447	0.98	1
	16	12551	S804C-K16	2CCS884001R0467	0.98	1
	20	12711	S804C-K20	2CCS884001R0487	0.98	1
	25	12872	S804C-K25	2CCS884001R0517	0.98	1
	32	13039	S804C-K32	2CCS884001R0537	0.98	1
	40	13190	S804C-K40	2CCS884001R0557	0.98	1
	50	13350	S804C-K50	2CCS884001R0577	0.98	1
	63	13510	S804C-K63	2CCS884001R0597	0.98	1
	80	13671	S804C-K80	2CCS884001R0627	0.98	1
	100	13831	S804C-K100	2CCS884001R0637	0.98	1
	125	13992	S804C-K125	2CCS884001R0647	0.98	1



Notes

Notes section containing multiple horizontal dotted lines for writing.

DIN-Rail components for rolling stock applications

Residual current devices

Residual current devices

RCBO DS201 T (2019)	3/2
RCBO DS203NC	3/8

RCBO DS201 T 1P+N. The details make the difference

A range designed for rolling stock equipments

Easy to install

Bi-directional cylindrical terminal ensure higher safety of connecting operations, making them easier.

Test pushbutton

Test pushbutton to verify the correct functioning of the device.

Earth fault indicator

Blue flag on the toggle to identify earth fault trips. I ON – 0 OFF indication molded on the toggle.

Contact position indicator (CPI)

To indicate the status of the contacts independently from the toggle position: green (open), red (closed).

Anti counterfeiting

DS201 is equipped with a tag RFid in order to authenticate the product.

Laser printed information

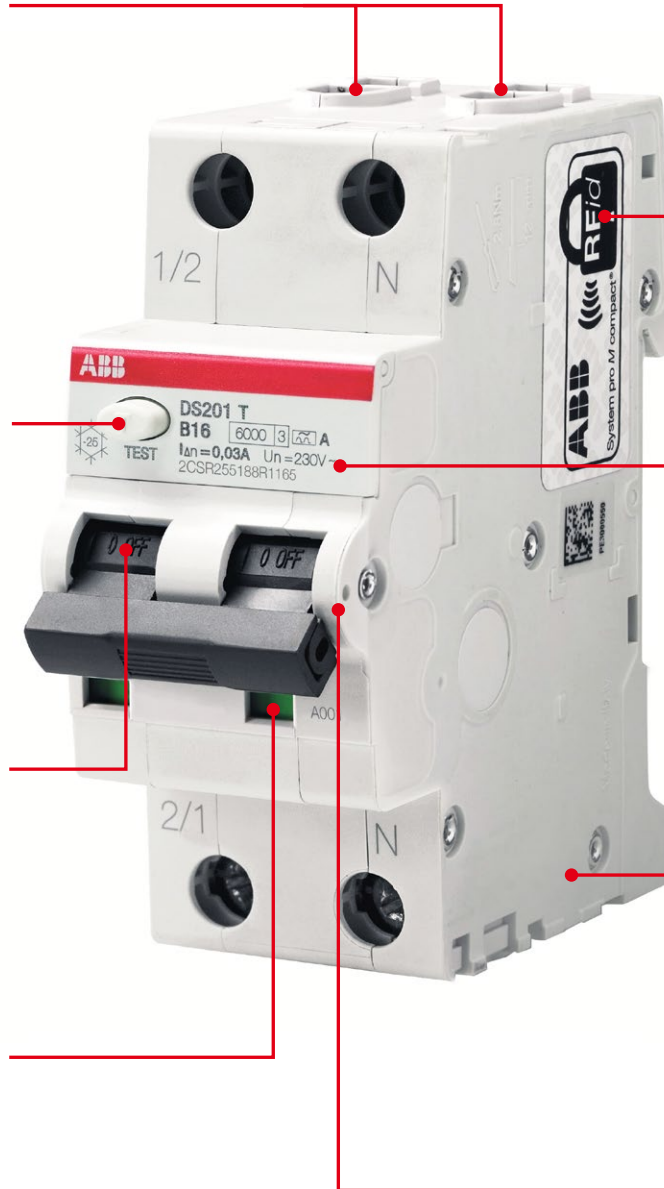
Information on the device are laser printed to ensure readability over time.

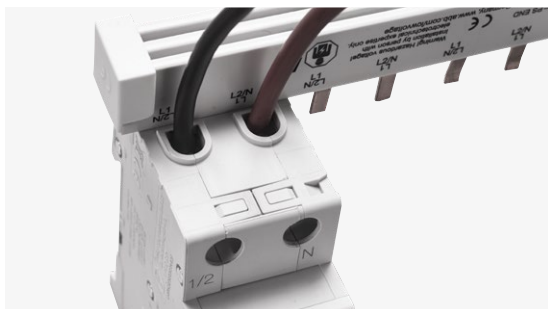
Combination with accessories

Improved combination with System pro M compact® accessories, including also the auxiliary contact for bottom fitting and motor operating device.

Dedicated space for label

Dedicated space to insert labels in order to clearly identify the protected lines.





Easy installation

The terminals available on DS201 make easier the supply operation in parallel with cables and busbars as they are composed by two different seats: a front seat for 25 mm² cables and a back seat for 10 mm² busbars. Supply is possible either from top or bottom side.



Mounting clip

Stable fixing on DIN rail, easy and fast mounting and dismounting operations thanks to the standard mounting clip.



Display the operational status

Easy troubleshooting and reduced downtime for maintenance operations thanks to both the blue indicator, that signals the differential tripping to immediately identify any earth fault (it cannot be activated in case of manual operation on the toggle) and the contact position indicator (CPI) that helps to always know the status of the contacts (red: closed contacts; green: open contacts).



Reliable in extreme conditions

RCBO DS201 can be used in ambient conditions where the temperature of the surrounding atmosphere has values between -25 °C (snowflake laser printed on the front of the device) and +55°C.



Additional laser printing

Additional information are laser printed on the lateral side of the device, including also the wiring diagram and the EAN code respectively for an easier installation and for an easier stock management.



RFid

Product Made in Italy, with RFI tag on the product side containing a unique serial number assigned to ABB according to the standard ISO/IEC FCD 15693-3 in order to authenticate the product.

RCBOs

DS201 T technical features



DS201 T

DS201 T			
Electrical features	Standards		IEC/EN 61009-1; IEC/EN 61009-2-1
	Type (wave form of the earth leakage sensed)		A - APR
	Number of poles		1P + N
	Rated current I_n	A	$6 \leq I_n \leq 40$
	Rated sensitivity $I_{\Delta n}$	A	0.03
	Rated voltage U_e	V	230-240
	Insulation voltage U_i	V	500 V AC
	Overvoltage category		III
	Pollution degree		2
	Operating voltage of circuit test U_t	V	170 - 264
	Rated frequency		Hz 50/60
	Rated breaking capacity acc. to IEC/EN 61009-1	I_{cn} A	6000
	Rated breaking capacity acc. to IEC/EN 60947-2 (only referring to short circuit test)	ultimate I_{cu}	kA 10
		service I_{cs}	kA 7.5
	Rated residual breaking capacity $I_{\Delta m}$ according to EN 61009-1	$I_{\Delta m}$ A	6000
	Rated residual breaking capacity $I_{\Delta m}$ according to IEC 61009-1	$I_{\Delta m}$ A	6000 up to 25 A; 4500 for 32A and 40A
	Rated impulse withstand voltage (1.2/50) U_{imp}		kV 4 kV
	Dielectric test voltage at ind. freq. for 1 min.		kV 2.5 kV (50 / 60Hz, 1 min.)
	Thermomagnetic release - characteristic	B: $3 I_n \leq I_n \leq 5 I_n$	■
		C: $5 I_n \leq I_n \leq 10 I_n$	■
		K: $10 I_n \leq I_n \leq 14 I_n$	■
	Energy limiting class acc. to EN 61009-1		3
	Surge current resistance (wave 8/20)	A	NA for A version; 3000 for APR version
Mechanical features	Housing		Insulation group I - II, RAL 7035
	Toggle		Insulation group II, Black RAL 9005, sealable in ON-OFF positions
	Contact position indication		Blue flag on toggle
	Earth fault trip indication		Blue flag on toggle
	Electrical life	operations	10000
	Mechanical life	operations	20000
	Protection degree acc. to EN 60529	housing	IP4X
		terminals	IP2X
	Shock resistance acc. to IEC/EN 60068-2-27		25g - 2 shocks - 13ms
	Vibration resistance acc. to IEC/EN 60068-2-6		0.1 mm or 1 g - 20 cycles at 5...150...5 Hz without load
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	28 cycles with 55°C/90-96% and 25°C/95-100%
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average $\leq +35^\circ\text{C}$)	°C	-25...+55
	Storage temperature	°C	-40...+70



DS201 T

DS201 T			
Installation	Terminal type	top / bottom	failsafe bi-directional cylinder-lift terminal (shock protected)
	Terminal size for cables	top / bottom	mm ² 25/25
	Terminal size for busbars	top / bottom	mm ² 10/10
	Solid /stranded wiring		1 x 0,75-25 mm ² for front terminal and 1 x 1-10 mm ² for rear terminal; 2 x 0,75-10 mm ² for front terminal
	Flexible wires with or without ferrules		1 x 0,75-16 mm ² for front terminal and 1 x 1-4 mm ² for rear terminal; 2 x 0,75-6 mm ² for front terminal
	Solid /stranded and flexible wiring with or without ferrules		2 x 0,75-4 mm ² for front terminal and 2 x 1,5 mm ² or 1 x 2,5-4 mm ² for rear terminal
	Tightening torque	top / bottom	Nm 2.8
	Stripping length of the cable		mm 12
	Mounting		on DIN rail EN 60715 (35mm) by means of mounting clip
	Mounting position		Any
	Supply from		Top/Bottom terminals
Dimensions weight	Dimensions (H x D x W)	mm	85 x 69 x 35
	Weight	g	200
Combination with auxiliary elements	Auxiliary contact		yes
	Signal contact / auxiliary contact		yes
	Shunt trip		yes
	Auxiliary contact for bottom fitting		yes
	Undervoltage release		yes
	Overvoltage release		yes
	Motor operating device		yes

RCBOs

DS201 T series A  type, B, C and K characteristics



DS201 T

DS201 T A type

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n}=30$ mA).

Standards: IEC/EN 61009

Hazard level R26/HL3 according to EN 45545

Exigence 3 according to NF F 16-101/102 (I2-F3)

Category 1 - Class A/B (Body mounted) according to IEC 61373

$I_{cn}=6$ kA

Curve	Type	Rated residual current [mA]	Rated current [A]	Order details			Quantity	Weight
				Code	Type	EAN code		g
A	C	30	6	2CSR255188R1064	DS201T C6 A30	8012542565215	1	239
		30	10	2CSR255188R1104	DS201T C10 A30	8012542590019	1	239
		30	13	2CSR255188R1134	DS201T C13 A30	8012542578215	1	239
		30	16	2CSR255188R1164	DS201T C16 A30	8012542566410	1	239
		30	20	2CSR255188R1204	DS201T C20 A30	8012542591313	1	239
		30	25	2CSR255188R1254	DS201T C25 A30	8012542579519	1	239
		30	32	2CSR255188R1324	DS201T C32 A30	8012542567714	1	239
		30	40	2CSR255188R1404	DS201T C40 A30	8012542589914	1	239
	B	30	6	2CSR255188R1065	DS201T B6 A30	8012542578116	1	239
		30	10	2CSR255188R1105	DS201T B10 A30	8012542566311	1	239
		30	13	2CSR255188R1135	DS201T B13 A30	8012542591214	1	239
		30	16	2CSR255188R1165	DS201T B16 A30	8012542579410	1	239
		30	20	2CSR255188R1205	DS201T B20 A30	8012542567615	1	239
		30	25	2CSR255188R1255	DS201T B25 A30	8012542588719	1	239
		30	32	2CSR255188R1325	DS201T B32 A30	8012542576914	1	239
		30	40	2CSR255188R1405	DS201T B40 A30	8012542565116	1	239
	K	30	6	2CSR255188R1067	DS201T K6 A30	8012542589815	1	239
		30	10	2CSR255188R1107	DS201T K10 A30	8012542578017	1	239
		30	13	2CSR255188R1137	DS201T K13 A30	8012542566212	1	239
		30	16	2CSR255188R1167	DS201T K16 A30	8012542587910	1	239
		30	20	2CSR255188R1207	DS201T K20 A30	8012542576112	1	239
		30	25	2CSR255188R1257	DS201T K25 A30	8012542564317	1	239
		30	32	2CSR255188R1327	DS201T K32 A30	8012542591115	1	239
		30	40	2CSR255188R1407	DS201T K40 A30	8012542579311	1	239
APR	C	30	6	2CSR255488R1064	DS201T C6 APR30	8012542567516	1	239
		30	10	2CSR255488R1104	DS201T C10 APR30	8012542588610	1	239
		30	13	2CSR255488R1134	DS201T C13 APR30	8012542576815	1	239
		30	16	2CSR255488R1164	DS201T C16 APR30	8012542565017	1	239
		30	20	2CSR255488R1204	DS201T C20 APR30	8012542589716	1	239
		30	25	2CSR255488R1254	DS201T C25 APR30	8012542577911	1	239
		30	32	2CSR255488R1324	DS201T C32 APR30	8012542566113	1	239
		30	40	2CSR255488R1404	DS201T C40 APR30	8012542591016	1	239
	B	30	6	2CSR255488R1065	DS201T B6 APR30	8012542579212	1	239
		30	10	2CSR255488R1105	DS201T B10 APR30	8012542567417	1	239
		30	13	2CSR255488R1135	DS201T B13 APR30	8012542589617	1	239
		30	16	2CSR255488R1165	DS201T B16 APR30	8012542577812	1	239
		30	20	2CSR255488R1205	DS201T B20 APR30	8012542566014	1	239
		30	25	2CSR255488R1255	DS201T B25 APR30	8012542590910	1	239
		30	32	2CSR255488R1325	DS201T B32 APR30	8012542579113	1	239
		30	40	2CSR255488R1405	DS201T B40 APR30	8012542567318	1	239

Notes

This image shows a full page of a document template. It consists of approximately 30 horizontal dotted lines spaced evenly down the page, providing a guide for handwriting or typing. The lines are light gray and extend across the entire width of the page. There are no margins, text, or other markings present.

RCBO DS203NC. The effective choice

The benefits of a product with the highest quality standards

Compact size for easy installation in small spaces and retrofitting of already existing facilities.

Terminals designed to ease the installation.

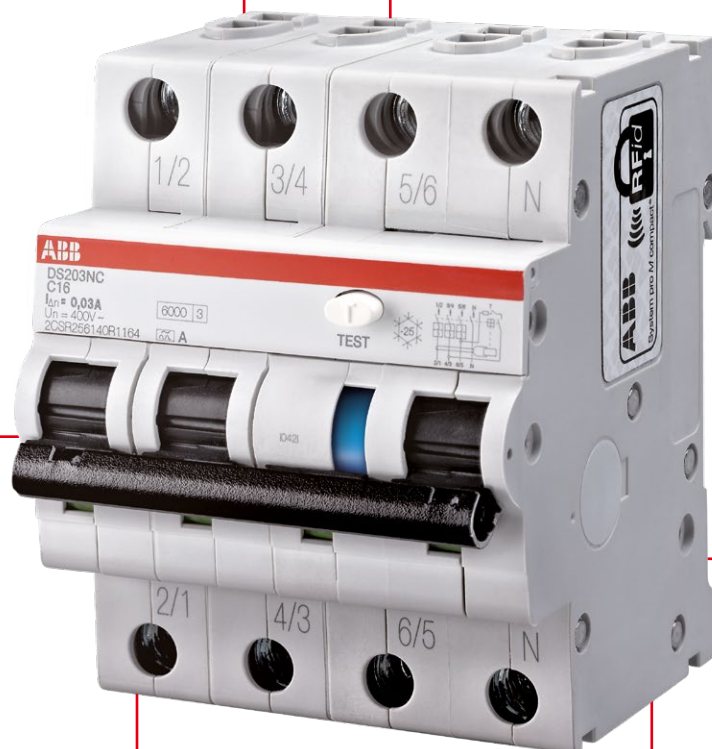
Test pushbutton to verify the correct functioning of the device.

Operating toggle can be sealed into on/off position to ensure maintenance in complete safety.

The indication of the status of the contacts is done with a mechanical connection to the mobile contacts and independently from the toggle position. The contacts position indicator (CPI) allows to exactly know the status of the contacts of the device (green: open contacts, red: closed contacts).

Space for identification labels of the protected line.

Same profile as the System pro M compact® range.





Use with cables and with busbars

Terminals with two slots allow to use different types of conductors: one housing is designed for cables up to 25 mm², the other for busbars or cables up to 10 mm².



RFid

Radio frequency tracking via a radio frequency tag to facilitate logistics and to be assured of the originality of the product.



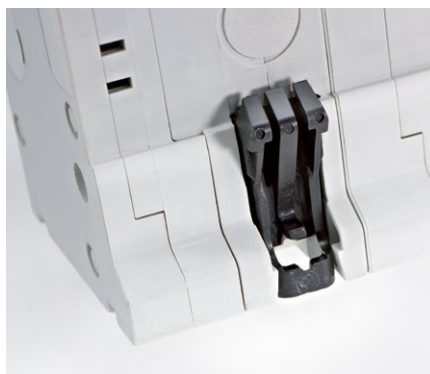
Differential trip indicator

In case of tripping due to earth fault, a blue flag appears on the toggle thus immediately showing the cause of trip of the device. This feature helps in troubleshooting on the network and reduces the downtime for maintenance.



Laser print information

All the necessary technical and installation information are laser printed on the front and side of units ensuring visibility along the time, including order code on front of device for future orders.



Mounting clip

The mounting clip eases the installation and removal from the DIN rail, even when used in a battery of devices with busbars on bottom terminals (without need of remove other devices).



Approval stamps

DS203NC residual current circuit breakers with overcurrent protection can meet the different installation habits in the various countries and are approved by the most important certification bodies like IMQ, VDE, EAC, KEMA.

RCBOs

DS203NC technical features

		DS203NC L	DS203NC
Standards		IEC/EN 61009-1; IEC/EN 61009-2-1	IEC/EN 61009-1; IEC/EN 61009-2-1
Electrical features			
Type (wave form of the earth leakage sensed)		AC, A, APR	AC, A, APR, S
Number of poles		3P+N	3P+N
Rated current I_n	A	$6 \leq I_n \leq 32A$	$6 \leq I_n \leq 32A$
Rated sensitivity $I_{\Delta n}$	mA	30-300	30-100-300
Rated voltage U_e	V	400-415V	400-415V
Insulation voltage U_i	V	500 V AC	500 V AC
Overvoltage category		III	III
Pollution degree		2	2
Operating voltage of circuit test U_t	V	195 (300 for 30 mA) - 440	
Rated frequency	Hz	50/60	50/60
Rated breaking capacity acc. to IEC/ EN 61009	ultimate I_{cn}	A	4500
Rated breaking capacity acc. to IEC/EN 60947-2	ultimate I_{cu}	kA	6
	service I_{cs}	kA	4.5
Rated residual breaking capacity $I_{\Delta m}$ acc. To EN 61009		kA	4.5
Rated residual breaking capacity $I_{\Delta m}$ acc. to IEC 61009		kA	4.5
Rated impulse withstand voltage (1.2/50) U_{imp}		kV	4
Dielectric test voltage at ind. freq. for 1 min.		kV	2.5
Thermomagnetic release - characteristic	B: $3 I_n \leq I_m \leq 5 I_n$		□
	C: $5 I_n \leq I_m \leq 10 I_n$	□	□
	K: $10 I_n \leq I_m \leq 14 I_n$		□
Surge current resistance (wave 8/20)	A	NA for A, AC versions; 3000 for APR version	NA for A, AC versions; 3000 for APR version; 5000 for S version
Mechanical features			
Housing		Insulation group II, RAL 7035	Insulation group II, RAL 7035
Toggle		black, sealable in ON-OFF positions	black, sealable in ON-OFF positions
Flag indicator		Differential trip indicator: blue on toggle	Differential trip indicator: blue on toggle
Contact position indication		CPI on window	CPI on window
Electrical life	operations	10000	10000
Mechanical life	operations	20000	20000
Protection degree	housing	IP4X	IP4X
	terminals	IP2X	IP2X
Shock resistance acc. to IEC/EN 60068-2-27		30g - 2 shocks - 13ms	30g - 2 shocks - 13ms
Vibration resistance acc. to IEC/EN 60068-2-6		0,35mm or 5g - 20 cycles at 5...150...5 Hz without load	0,35mm or 5g - 20 cycles at 5...150...5 Hz without load
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	28 cycles with 55°C/90-96% and 25°C/95-100%	28 cycles with 55°C/90-96% and 25°C/95-100%
Reference temperature for setting of thermal element	°C	30	30
Ambient temperature (with daily average $\leq +35$ °C)	°C	-25...+55	-25...+55
Storage temperature	°C	-40...+70	-40...+70



RCBOs

DS203NC technical features

DS203NC L			DS203NC
Installation			
Terminal type	top/ bottom		failsafe bi-directional cylinder-lift terminal (shock protected)
Terminal size for cables	top/ bottom	mm ²	25/25
Terminal size for busbars	top/ bottom	mm ²	10/10
Tightening torque	top/ bottom	Nm	2.8
Mounting			on DIN rail EN 60715 (35 mm) by means of mounting clip
Supply from			Top/bottom terminals
Dimensions and weight			
Dimensions (H x D x W)		mm	85 x 69 x 70.4
Weight		g	480

RCBOs

DS203NC L AC



DS203NC L - AC type - C curve
Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
Icn = 4 500 A

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece	Pack unit
				Type code	Order code		kg	pc.
3P+N	30	6	353928	DS203NC L C6 AC30	2CSR246040R1064		0.480	1
		8	343622	DS203NC L C8 AC30	2CSR246040R1084		0.480	1
		10	353829	DS203NC L C10 AC30	2CSR246040R1104		0.480	1
		13	343523	DS203NC L C13 AC30	2CSR246040R1134		0.480	1
		16	353720	DS203NC L C16 AC30	2CSR246040R1164		0.480	1
		20	343424	DS203NC L C20 AC30	2CSR246040R1204		0.480	1
		25	353621	DS203NC L C25 AC30	2CSR246040R1254		0.480	1
		32	343325	DS203NC L C32 AC30	2CSR246040R1324		0.480	1
	300	6	343226	DS203NC L C6 AC300	2CSR246040R3064		0.480	1
		8	343127	DS203NC L C8 AC300	2CSR246040R3084		0.480	1
		10	343028	DS203NC L C10 AC300	2CSR246040R3104		0.480	1
		13	342922	DS203NC L C13 AC300	2CSR246040R3134		0.480	1
		16	776727	DS203NC L C16 AC300	2CSR246040R3164		0.480	1
		20	342823	DS203NC L C20 AC300	2CSR246040R3204		0.480	1
		25	342724	DS203NC L C25 AC300	2CSR246040R3254		0.480	1
		32	358428	DS203NC L C32 AC300	2CSR246040R3324		0.480	1

RCBOs

DS203NC L A  type



DS203NC L - A type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 4\,500 \text{ A}$

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
3P+N	30	6	354628	DS203NC L C6 A30	2CSR246140R1064		0.480	1
		8	344322	DS203NC L C8 A30	2CSR246140R1084		0.480	1
		10	354529	DS203NC L C10 A30	2CSR246140R1104		0.480	1
		13	344223	DS203NC L C13 A30	2CSR246140R1134		0.480	1
		16	354420	DS203NC L C16 A30	2CSR246140R1164		0.480	1
		20	344124	DS203NC L C20 A30	2CSR246140R1204		0.480	1
		25	354321	DS203NC L C25 A30	2CSR246140R1254		0.480	1
		32	498025	DS203NC L C32 A30	2CSR246140R1324		0.480	1
	300	6	499220	DS203NC L C6 A300	2CSR246140R3064		0.480	1
		8	344025	DS203NC L C8 A300	2CSR246140R3084		0.480	1
		10	354222	DS203NC L C10 A300	2CSR246140R3104		0.480	1
		13	343929	DS203NC L C13 A300	2CSR246140R3134		0.480	1
		16	354123	DS203NC L C16 A300	2CSR246140R3164		0.480	1
		20	343820	DS203NC L C20 A300	2CSR246140R3204		0.480	1
		25	354024	DS203NC L C25 A300	2CSR246140R3254		0.480	1
		32	343721	DS203NC L C32 A300	2CSR246140R3324		0.480	1

RCBOs

DS203NC L APR type



DS203NC L - APR type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, providing an optimal compromise between safety and continuity of service, thanks to the resistance to unwanted tripping; protection against indirect contact and additional protection against direct contact (IΔn = 30 mA); protection and isolation of resistive and inductive loads.

Application: commercial, industrial.
Standard: IEC/EN 61009-1; IEC/EN 61009-2-1
Icn = 4 500 A

Number of poles	Rated residual current IΔn mA	Rated current In A	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece	Pack unit
				Type code	Order code		kg	pc.
3P+N	30	6	079125	DS203NC L C6 APR30	2CSR246440R1064		0.480	1
		8	079026	DS203NC L C8 APR30	2CSR246440R1084		0.480	1
		10	078920	DS203NC L C10 APR30	2CSR246440R1104		0.480	1
		13	078821	DS203NC L C13 APR30	2CSR246440R1134		0.480	1
		16	078722	DS203NC L C16 APR30	2CSR246440R1164		0.480	1
		20	078623	DS203NC L C20 APR30	2CSR246440R1204		0.480	1
		25	078524	DS203NC L C25 APR30	2CSR246440R1254		0.480	1
		32	078425	DS203NC L C32 APR30	2CSR246440R1324		0.480	1

RCBOs

DS203NC AC  type



DS203NC - AC type - B curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
3P+N	30	6	077428	DS203NC B6 AC30	2CSR256040R1065		0.480	1
		8	077329	DS203NC B8 AC30	2CSR256040R1085		0.480	1
		10	077220	DS203NC B10 AC30	2CSR256040R1105		0.480	1
		13	077121	DS203NC B13 AC30	2CSR256040R1135		0.480	1
		16	077022	DS203NC B16 AC30	2CSR256040R1165		0.480	1
		20	076926	DS203NC B20 AC30	2CSR256040R1205		0.480	1
		25	790525	DS203NC B25 AC30	2CSR256040R1255		0.480	1
		32	076827	DS203NC B32 AC30	2CSR256040R1325		0.480	1
	100	6	076728	DS203NC B6 AC100	2CSR256040R2065		0.480	1
		8	076629	DS203NC B8 AC100	2CSR256040R2085		0.480	1
		10	076520	DS203NC B10 AC100	2CSR256040R2105		0.480	1
		13	076421	DS203NC B13 AC100	2CSR256040R2135		0.480	1
		16	076322	DS203NC B16 AC100	2CSR256040R2165		0.480	1
		20	076223	DS203NC B20 AC100	2CSR256040R2205		0.480	1
		25	076124	DS203NC B25 AC100	2CSR256040R2255		0.480	1
		32	076025	DS203NC B32 AC100	2CSR256040R2325		0.480	1
	300	6	353423	DS203NC B6 AC300	2CSR256040R3065		0.480	1
		8	353324	DS203NC B8 AC300	2CSR256040R3085		0.480	1
		10	266327	DS203NC B10 AC300	2CSR256040R3105		0.480	1
		13	266228	DS203NC B13 AC300	2CSR256040R3135		0.480	1
		16	266129	DS203NC B16 AC300	2CSR256040R3165		0.480	1
		20	266020	DS203NC B20 AC300	2CSR256040R3205		0.480	1
		25	265924	DS203NC B25 AC300	2CSR256040R3255		0.480	1
		32	790822	DS203NC B32 AC300	2CSR256040R3325		0.480	1

RCBOs

DS203NC AC  type



DS203NC - AC type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
3P+N	30	6	265825	DS203NC C6 AC30	2CSR256040R1064		0.480	1
		8	353225	DS203NC C8 AC30	2CSR256040R1084		0.480	1
		10	518228	DS203NC C10 AC30	2CSR256040R1104		0.480	1
		13	186823	DS203NC C13 AC30	2CSR256040R1134		0.480	1
		16	352228	DS203NC C16 AC30	2CSR256040R1164		0.480	1
		20	186724	DS203NC C20 AC30	2CSR256040R1204		0.480	1
		25	352129	DS203NC C25 AC30	2CSR256040R1254		0.480	1
		32	263920	DS203NC C32 AC30	2CSR256040R1324		0.480	1
	100	6	263821	DS203NC C6 AC100	2CSR256040R2064		0.480	1
		8	263722	DS203NC C8 AC100	2CSR256040R2084		0.480	1
		10	263623	DS203NC C10 AC100	2CSR256040R2104		0.480	1
		13	263524	DS203NC C13 AC100	2CSR256040R2134		0.480	1
		16	518327	DS203NC C16 AC100	2CSR256040R2164		0.480	1
		20	263425	DS203NC C20 AC100	2CSR256040R2204		0.480	1
		25	186021	DS203NC C25 AC100	2CSR256040R2254		0.480	1
		32	352020	DS203NC C32 AC100	2CSR256040R2324		0.480	1
	300	6	185925	DS203NC C6 AC300	2CSR256040R3064		0.480	1
		8	185826	DS203NC C8 AC300	2CSR256040R3084		0.480	1
		10	185727	DS203NC C10 AC300	2CSR256040R3104		0.480	1
		13	185628	DS203NC C13 AC300	2CSR256040R3134		0.480	1
		16	185529	DS203NC C16 AC300	2CSR256040R3164		0.480	1
		20	185420	DS203NC C20 AC300	2CSR256040R3204		0.480	1
		25	517825	DS203NC C25 AC300	2CSR256040R3254		0.480	1
		32	180821	DS203NC C32 AC300	2CSR256040R3324		0.480	1

RCBOs

DS203NC A  type



DS203NC - A type - B curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
3P+N	30	6	078326	DS203NC B6 A30	2CSR256140R1065		0.480	1
		8	078227	DS203NC B8 A30	2CSR256140R1085		0.480	1
		10	078128	DS203NC B10 A30	2CSR256140R1105		0.480	1
		13	078029	DS203NC B13 A30	2CSR256140R1135		0.480	1
		16	077923	DS203NC B16 A30	2CSR256140R1165		0.480	1
		20	077824	DS203NC B20 A30	2CSR256140R1205		0.480	1
		25	077725	DS203NC B25 A30	2CSR256140R1255		0.480	1
		32	077626	DS203NC B32 A30	2CSR256140R1325		0.480	1
	100	6	080329	DS203NC B6 A100	2CSR256140R2065		0.480	1
		8	080220	DS203NC B8 A100	2CSR256140R2085		0.480	1
		10	080121	DS203NC B10 A100	2CSR256140R2105		0.480	1
		13	080022	DS203NC B13 A100	2CSR256140R2135		0.480	1
		16	079927	DS203NC B16 A100	2CSR256140R2165		0.480	1
		20	079828	DS203NC B20 A100	2CSR256140R2205		0.480	1
		25	079729	DS203NC B25 A100	2CSR256140R2255		0.480	1
		32	079620	DS203NC B32 A100	2CSR256140R2325		0.480	1
	300	6	079521	DS203NC B6 A300	2CSR256140R3065		0.480	1
		8	079422	DS203NC B8 A300	2CSR256140R3085		0.480	1
		10	079323	DS203NC B10 A300	2CSR256140R3105		0.480	1
		13	079224	DS203NC B13 A300	2CSR256140R3135		0.480	1
		16	305026	DS203NC B16 A300	2CSR256140R3165		0.480	1
		20	305125	DS203NC B20 A300	2CSR256140R3205		0.480	1
		25	400226	DS203NC B25 A300	2CSR256140R3255		0.480	1
		32	400028	DS203NC B32 A300	2CSR256140R3325		0.480	1

RCBOs

DS203NC A  type



DS203NC - A type - C curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece	Pack unit
				Type code	Order code		kg	pc.
3P+N	30	6	400127	DS203NC C6 A30	2CSR256140R1064		0.480	1
		8	058823	DS203NC C8 A30	2CSR256140R1084		0.480	1
		10	896524	DS203NC C10 A30	2CSR256140R1104		0.480	1
		13	768227	DS203NC C13 A30	2CSR256140R1134		0.480	1
		16	830924	DS203NC C16 A30	2CSR256140R1164		0.480	1
		20	839927	DS203NC C20 A30	2CSR256140R1204		0.480	1
		25	768524	DS203NC C25 A30	2CSR256140R1254		0.480	1
		32	831228	DS203NC C32 A30	2CSR256140R1324		0.480	1
	100	6	840220	DS203NC C6 A100	2CSR256140R2064		0.480	1
		8	896425	DS203NC C8 A100	2CSR256140R2084		0.480	1
		10	768128	DS203NC C10 A100	2CSR256140R2104		0.480	1
		13	830825	DS203NC C13 A100	2CSR256140R2134		0.480	1
		16	839828	DS203NC C16 A100	2CSR256140R2164		0.480	1
		20	896722	DS203NC C20 A100	2CSR256140R2204		0.480	1
		25	768425	DS203NC C25 A100	2CSR256140R2254		0.480	1
		32	831129	DS203NC C32 A100	2CSR256140R2324		0.480	1
	300	6	840121	DS203NC C6 A300	2CSR256140R3064		0.480	1
		8	830726	DS203NC C8 A300	2CSR256140R3084		0.480	1
		10	839729	DS203NC C10 A300	2CSR256140R3104		0.480	1
		13	896623	DS203NC C13 A300	2CSR256140R3134		0.480	1
		16	768326	DS203NC C16 A300	2CSR256140R3164		0.480	1
		20	831020	DS203NC C20 A300	2CSR256140R3204		0.480	1
		25	840022	DS203NC C25 A300	2CSR256140R3254		0.480	1
		32	631620	DS203NC C32 A300	2CSR256140R3324		0.480	1

RCBOs

DS203NC A  type



DS203NC - A type - K curve

Function: protection of end user three-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$).

Application: commercial, industrial.

Standard: IEC/EN 61009-1; IEC/EN 61009-2-1

$I_{cn} = 6\,000 \text{ A}$

Number of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece	Pack unit
				Type code	Order code		kg	pc.
3P+N	30	6	376026	DS203NC K6 A30	2CSR256140R1067		0.480	1
		8	629726	DS203NC K8 A30	2CSR256140R1087		0.480	1
		10	375920	DS203NC K10 A30	2CSR256140R1107		0.480	1
		13	779322	DS203NC K13 A30	2CSR256140R1137		0.480	1
		16	769323	DS203NC K16 A30	2CSR256140R1167		0.480	1
		20	631521	DS203NC K20 A30	2CSR256140R1207		0.480	1
		25	375821	DS203NC K25 A30	2CSR256140R1257		0.480	1
		32	779223	DS203NC K32 A30	2CSR256140R1327		0.480	1
	100	6	593423	DS203NC K6 A100	2CSR256140R2067		0.480	1
		8	581628	DS203NC K8 A100	2CSR256140R2087		0.480	1
		10	569824	DS203NC K10 A100	2CSR256140R2107		0.480	1
		13	594727	DS203NC K13 A100	2CSR256140R2137		0.480	1
		16	582922	DS203NC K16 A100	2CSR256140R2167		0.480	1
		20	571124	DS203NC K20 A100	2CSR256140R2207		0.480	1
		25	592426	DS203NC K25 A100	2CSR256140R2257		0.480	1
		32	580621	DS203NC K32 A100	2CSR256140R2327		0.480	1



Notes

Notes section containing 30 horizontal dotted lines for writing.

DIN-Rail components for rolling stock applications

Auxiliary elements and accessories

Selection tables	4/2
Auxiliary elements for MCBs S 200 series and RCBOs DS201 T	4/4
Busbar and accessories for MCBs S 200 series and RCBOs DS201 T	4/11

Auxiliary elements and accessories

Selection tables



Accessory	Auxiliary and Signal Contacts			
	S2C-S/H6R	S2C-H6R	S2C-H6-xxR	S2C-HxxL
Standards				
EN 45545	R26/HL3	R26/HL3	R26/HL3	R26/HL3
IEC 61373	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B
Combinable with:				
S200 MT	■	■	■	■
S200 MT UC	■	■	■	■
S200 M UC	■	■	■	■
S200 P	■	■	■	
S200C				
S800S				
S800S UC			■	
DS201 T	■	■	■	



Accessory	Shunt trip	
	S2C-Ax	S800-SOR
Standards		
EN 45545	R26/HL3	R26/HL3
IEC 61373	Category 1 - Class A/B	Category 1 - Class B
Combinable with:		
S200 MT	■	
S200 MT UC	■	
S200 M UC	■	
S200 P	■	
S800S		■
S800S UC		■
DS201 T		■



S2C-H..	G2C-H	G2C-S/H	S800-AUX	S800 AUX/ALT
R26/HL3	R26/HL3	R26/HL3	R26/HL3	R26/HL3
Category 1 - Class A/B	Category 1 - Class B	Category 1 - Class B	Category 1 - Class B	Category 1 - Class B
■				
■				
■				
■				
	■			
		■		
		■		
■				



S800-UVR	Remote Switch Unit S800-RSU-H	Short Circuit Limiter S803S-SCL
R26/HL3	R26/HL3	R26/HL3
Category 1 - Class B	-	Category 1 - Class B
■	■	■
■	■	■

Selection tables

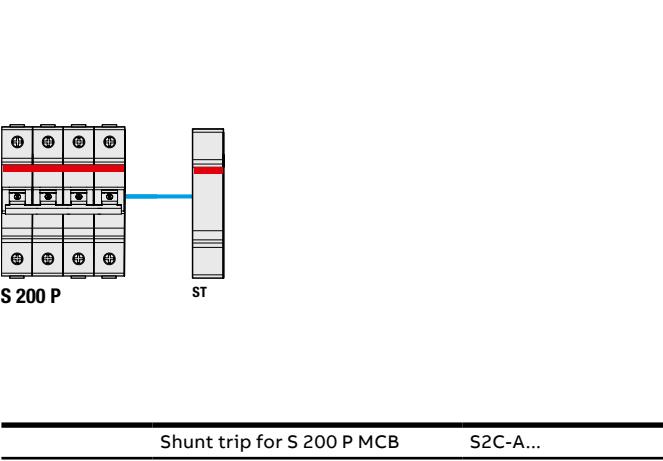
**S200 MT / S200 P /
S200 M UC / S200 MT UC**

The diagram illustrates the wiring connections for the S200 series units. The main unit is connected to several components via blue lines:

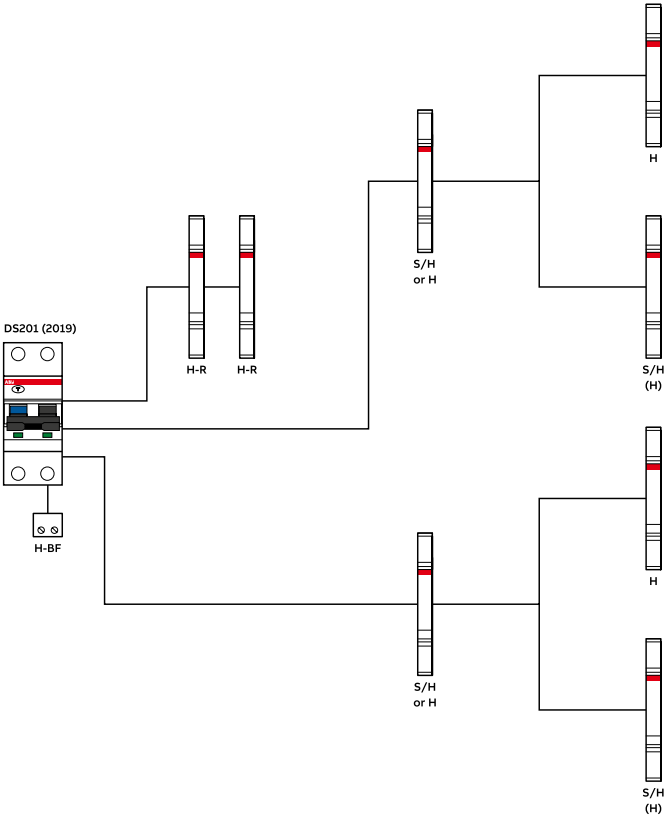
- H-L**: A vertical component with four terminals.
- H-BF**: A small square component with two terminals.
- H-R**: Two vertical components, each with two terminals.
- H**: Three vertical components, each with one terminal.
- ST**: A vertical component with three terminals.
- S/H**: Two vertical components, each with two terminals.
- H/H**: Four vertical components, each with two terminals.

H	Auxiliary contact	S2C-H6R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip for S 200 MCB	S2C-A...
H-BF	Auxiliary contact for MCBs bottom fitting (1 for each pole of MCB)	S2C-H01/S2C-H10
H-L	Auxiliary contact for S 200 MCBs to be mounted on the left	S2C-H...L

Combination of auxiliary elements with S 200 MCBs series



Combination of auxiliary elements with DS201 T



H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-xxR
S/H	Signal / auxiliary contact	S2C-S/H6R
S/H (H)	Signal / auxiliary contact used as auxiliary contact	S2C-S/H6R
H-BF	Auxiliary contact for bottom fitting	S2C-H01 / S2C-H10

Auxiliary elements for

MCBs S 200, SN 201, RCDs F 200, DS 200, DS201-DS202C, DS203NC, DSE201 M, AFDD S-ARC1 and Switch disconnectors SD 200 series



Auxiliary elements

Auxiliary contact and signal/auxiliary contact		
S2C-S/H6R, S2C-H6R, S2C-H11L, S2C-H20L and S2C-H02L		
Utilization category		AC14 1A/400V, 2A/230V - DC12 1A/220V, 1,5A/110V - DC13 2A/60V, 4A/24V
Conventional free air thermal current	A	10
Min. operational current/voltage*		10 mA at 12 V; 5 mA at 24 V
Rated conditional short-circuit current	V	230 V AC 1,000 A with S201 K4
Overvoltage category		III
Rated impuls withstand voltage (1.2/50μs)	kV	4
Cross-section of conductors	mm ²	0.75...2.5 (up to 2 x 1.5 mm ² for S2C-H11L, S2C-H20L and S2C-H02L)
Tightening torque	Nm	1.2 (max. 0.8 for S2C-H11L, S2C-H20L and S2C-H02L)
Contact stability in vibration test according to IEC/EN 60 068-2-6		5g, 20 sweep cycles 5...150...5 Hz at 24 V AC/DC, 5 mA automatic reclosing < 10 ms
Mechanical service life		10000 operations
Dimensions (H x D x W)	mm	85 x 69 x 8.8

Auxiliary contact and signal/auxiliary contact		
S2C-H6-11R, S2C-H6-20R, S2C-H6-02R		
Utilization category		AC14: 1A/400V, 2A/230V DC12/DC13: 1A/50V, 2A/30V
Conventional free air thermal current	A	10
Min. rated operational current/voltage*		10 mA at 12 V; 5 mA at 24 V
Rated conditional short-circuit current	V	230 V AC 1,000 A with S201 K4
Overvoltage category		III
Rated impuls withstand voltage (1.2/50μs)	kV	4
Cross-section of conductors	mm ²	0.75...2.5
Tightening torque	Nm	1.2
Contact stability in vibration test according to IEC/EN 60068-2-6		5g, 20 sweep cycles 5...150...5 Hz at 24 V AC/DC, 5mA automatic reclosing < 10 ms
Mechanical service life		10000 operations
Dimensions (H x D x W)	mm	85 x 69 x 8.8

* ensures safe contacting without current interruption by pollution layer



S2C-S/H6R

Signal/auxiliary contacts

Signal contacts indicate if a device tripped due to a failure (overcurrent/short-circuit for MCBs and RCBOs; earth fault for RCCBs and RCBOs).

Auxiliary contacts indicate the position of the contacts, independent if a failure occurred or the device was operated manually.

S2C-S/H6R: choice through a selector between signal and auxiliary contact.

S2C-H6R and S2C-HxxR: Auxiliary contacts with contact configuration according the following table. All right-side mounted contacts are suitable for MCBs, RCDs, AFDD and switch disconnectors SD200 according the “Selection tables” which are displayed in the beginning of chapter 4.

S2C-HxxL: Auxiliary contacts with contact configuration according the following table. These contacts are left-side mounted and fit to S200 MCBs and switch disconnectors SD200 according the “Selection tables” which are displayed in the beginning of chapter 4. Especially when using a motor operating device this is a possibility to add a contact as the right side mounted ones do not fit within this combination.

S2C-Hxx: Unique bottom-fitting contact for the S200 compact range, DSE201 M and SD200 switch disconnectors. Simple and space-saving solution. Also intended for retrofitting.



S2C-H6-...

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Signal contact/ auxiliary switch 1CO	563819	S2C-S/H6R	2CDS200922R0001		0.04	1
Auxiliary contact 1CO	563826	S2C-H6R	2CDS200912R0001		0.04	1
Auxiliary contact 1NO/1NC	697941	S2C-H6-11R	2CDS200946R0001		0.04	1
Auxiliary contact 2NO	697958	S2C-H6-20R	2CDS200946R0002		0.04	1
Auxiliary contact 2NC	697965	S2C-H6-02R	2CDS200946R0003		0.04	1

Auxiliary contacts mounting on the left side

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Auxiliary contact 1 NO/1NC	648820	S2C-H11L	2CDS200936R0001		0.04	1
Auxiliary contact 2 NO	648837	S2C-H20L	2CDS200936R0002		0.04	1
Auxiliary contact 2 NC	648844	S2C-H02L	2CDS200936R0003		0.04	1



Auxiliary contact and signal/auxiliary contact

S2C-H6R and S2C-S/H6R		
Conventional free air thermal current	A	10 A
Min. operational current/voltage*		10 mA at 12 V; 5 mA at 24 V
Rated conditional short-circuit current	V	230 V AC 1.000 A with S201 K4
Overvoltage category		III
Rated impuls withstand voltage (1.2/50µs)	kV	4 kV
Cross-section of conductors	mm ²	0.75...2.5 mm ² (up to 2 x 1.5 mm ²)
Tightening torque	Nm	1.2 Nm
Contact stability in vibration test according to IEC/EN 60 068-2-6		5g, 20 sweep cycles 5...150...5 Hz at 24 V AC/DC, 5 mA automatic reclosing < 10 ms
Mechanical service life		10,000 operations
Dimensions (H x D x W)	mm	85 x 69 x 8.8 mm

Bottom-fitting auxiliary contacts for S 200, S 200 M, S 200 P, S 200 S, SD 200, DS201 (2019), DSE201 M, DS-ARC1

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
	EAN	Type code	Order code			
1 NC	065108	S 2C-H01	2CDS200970R0031		0.01	1
1 NO	065139	S 2C-H10	2CDS200970R0032		0.01	1

packing unit 15 parts

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
	EAN	Type code	Order code			
1 NC	065160	S 2C-H01 15x	2CDS200970R0041		0.01	15
1 NO	065191	S 2C-H10 15x	2CDS200970R0042		0.01	15

Auxiliary contact bridge for bottom-fitting auxiliary contacts

Wire jumper for integrated auxiliary contacts S2C-H01/S2C-H10 for series connections (HKB) or parallel connections (HKB1).

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
	EAN	Type code	Order code			
1/2 mod.	523134	HKB	GH V036 0504 R0100		0.001	1000
1 mod.	524209	HKB 1	GH V036 0504 R0101		0.001	1000

Utilization category / contact capacity

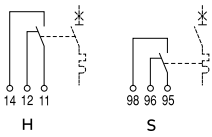
S2C-H6R, S2C-S/H6R				
AC14	Ue	V	400 V	230 V
	Ie	A	1 A	2 A
DC12	Ue	V	220 V	110 V
	Ie	A	1 A	1.5 A
DC13	Ue	V	60 V	24 V
	Ie	A	2 A	4 A

Accessories for S200C Compact MCBs



G2C

G2C-S



G2C: Auxiliary and signal contact

Auxiliary (H):

Provides the status of the protection device, OPEN/CLOSED.

Auxiliary or signal (S/H):

This device can act as an auxiliary contact (function H) or as a signal contact (function S).

The user can change the function at the moment of installation.

Used as signal contact (function S) it provides the information about the automatic tripping of the protection devices: overload or short-circuit for MCBs, earth leakage tripping for RCDs.

- Test button on the front to simulate the function (acting as a function H or S)
- Reset button for the contacts (function S)
- Tripping signal on the front (function S)
- Version with golden contacts, available for low current as well as low voltage applications.

Mounting:

on the left or right, up to 4 G2C units (On S203C accepted only on the left)

Performances

Product standard	IEC/EN 62019
Change-over contacts	1
Rated current In (A)	5
Rated voltage AC Un (V)	240
Minimum application voltage	24 V AC/DC; 12 V AC/DC for version with golden contacts
Minimum application current	10 mA AC; 200 mA DC -- 2 mA AC; 25 mA DC for version with golden contacts
Electrical endurance (operations)	10000
Terminal capacity flexible/rigid cable (mm ²)	0.75...2.5 / 1...2.5
Terminal capacity for two rigid cables (mm ²)	2 × 1.5
Dimension [D×W×H] (mm)	69 × 8.7 × 92
Net weight (g)	70
Tightening torque (Nm)	0.5

Ordering code

Type	Bbn 4053546 EAN	Order details		Weight 1 piece kg	Pack unit pc.
		Type code	Order code		
Auxiliary (H)	046427	G2C-H6 L+R	2CDS200931R0001	0.07	1
Auxiliary or signal (S/H)	046434	G2C-S/H6 L+R	2CDS200932R0001	0.07	1
Auxiliary or signal golden contact (S/H G)	046441	G2C-S/H6 L+R KL	2CDS200932R0011	0.07	1

Auxiliary elements for S 200 series



S2C-A

Shunt trip for S 200 MCBs								
S2C-A1								
Rated voltage	AC	V	12...60					
	DC	V	12...60					
Max release duration		ms	<10					
Min. release voltage	AC	V	7					
	DC	V	10					
Power consumption	Ub	V	12 DC	12 AC	24 DC	24 AC	60 DC	60 AC
	Ib max	A	2.2	2.5	4.5	5	14	8.8
Coil resistance		Ω	3.7					
Terminals			Fale-safe bi-directional cylinder-lift-terminal					
Tightening torque		Nm	2.8					
Dimensions (H x D x W)		mm	85 x 69 x 17.5					
S2C-A2								
Rated voltage	AC	V	110...415					
	DC	V	110...250					
Max release duration		ms	<10					
Min. release voltage	AC	V	55					
	DC	V	80					
Power consumption	Ub	V	110 DC	110 AC	220 DC	230 AC	415 AC	
	Ib max	A	0.4	0.5	1.1	1.0	2.7	
Coil resistance		Ω	225					
Terminals			Fale-safe bi-directional cylinder-lift-terminal					
Tightening torque		Nm	2.8					
Dimensions (H x D x W)		mm	85 x 69 x 17.5					

Shunt trips

Function: remote opening of the device when a voltage is applied.

Rated voltage	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
		EAN	Type code	Order code		
AC/DC 12...60 V	570992	S2C-A1	2CDS200909R0001	0.15	1	
AC 110...415 V/DC110...250 V	571005	S2C-A2	2CDS200909R0002	0.15	1	

Busbars and accessories for MCBs S 200 series

PS busbars

Short description

ABB busbar systems enable the safe and economic cross connection of MCBs, RCCBs and RCBOs.

For a correct busbar selection the following points need to be considered:

- MCB terminal type (Twin terminal or cage terminal)
- Number of poles (1, 2, 3, 4, 1+N or 3+N)
- Device type (MCB, RCCB or RCBO)
- Combinations (e.g. RCCB + MCB or RCCB 3+N + RCCB 1+N)
- Use of side mounted auxiliary elements on MCB *)
- Busbar diameter (for current carrying capacity calculation)
- Number of modules (choice of standard busbar or busbar for cutting)

Coding of PS busbars

	PS		/			/			/					
		1			2	3			4	5		6	7	7
Phases														
1 phase		1												
2 phases		2												
3 phases		3												
4 phases		4												
Number of pins														
Diameter														
10 mm²									-	-				
6 mm²									6	-				
16 mm²									1	6				
30 mm²									3	0				
Application														
Cross connection of RCCB and MCB (4th pin removed for RCCB 3+N)												F	I	
Use of neutral conductor (phase sequence e.g. L1-N-L2-N-L3-N-L1...)									N					
Space for 1 side mounted auxiliary contact									H					
Space for 2 side mounted auxiliary contacts												H	2	
Pins for breaking off														A
Cross connection of devices 3P+N + 1P+N (phase sequence L1-L2-L3-N-L1-N-L2-N-L1-N-...)												N	N	
Busbars for IT networks												I	T	
Note: Combinations of above applications are possible														

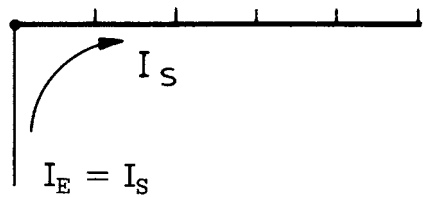
*) only right side mounted auxiliary elements and bottom fixed auxiliary contacts can be considered for busbar connection

Busbars and accessories for MCBs S 200 series

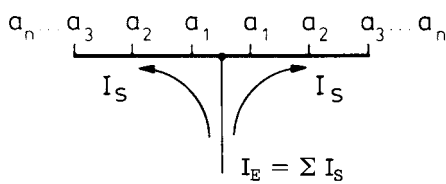
PS busbars technical features

			Busbars PS				
Suitable for			MCB: S200MT and S200P				
Electrical Data	Standards		for IEC applications DIN EN 60947-1 VDE 0660 Part 100 = IEC 60947-1:2004				
	Approvals		—				
	Rated voltage Ue		1P, 2P, 3P, 4P: 690 V AC, 690 V DC				
	Rated frequency	Hz	50 / 60 Hz, DC				
	Current carrying capacity / Phase (35°C ambient temperature)	A	10 mm²	16 mm²	30 mm²		
			End feeding ¹⁾	63 A	80 A	120 A	
			Non-end feeding ¹⁾	100 A	130 A	160 A	
	Short-circuit withstand capacity	kA	25 kA in series with fuse NH3 355 A gG 500 V				
Mechanical Data	Housing		light grey, RAL 7035				
	Environmental conditions acc. to		DIN EN 60068				
	Overvoltage category		III				
	Pollution degree		2				
Installation	Cross-Section Busbar		10 mm², 16 mm², 30 mm²				
	Mounting position		optional				
	Supply		Feed on terminal of the device (supply side optional) or use of feeder terminal range AST; SZ-ESK				
Accessories	Shock-protection caps		BSK, SZ-BSK				
	Feeder terminals		range AST, SZ-ESK				
	End caps		range END, PS-END, PSB-END				
Feeder Terminals AST, SZ-ESK							
Electrical Data	Max. operating voltage		V	690 V AC, 690 V DC			
	Current carrying capacity / phase		A	see below ¹⁾			
	Cross-Section	mm²	SZ-ESK	6 - 35 mm²	100 A		
				6 - 50 mm²	125 A		
		mm²	AST	6 - 25 mm²	80 A		
				6 - 50 mm²	125 A		
Instruction of installation			When cutting the busbar, ensure that the insulation profile exceeds the copper bar by approx. 10 mm on each side. Shock protection only with mounted end caps ensured. For DC applications the required increased clearance and creepage distances needs to be ensured.				

1) In case of feed in from the middle of the busbar it needs to be ensured, that the sum of junction currents per side must not exceed the max busbar current Is/phase. Irrespective of the current carrying capacity (Is) of the busbar, the max. rated current of the devices terminal may not be exceeded.--



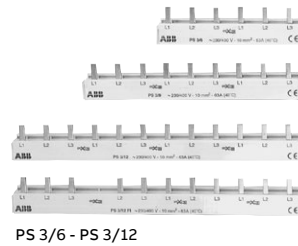
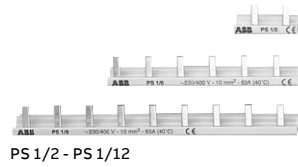
Feed in from the end of the busbar



Feed in from the middle of the busbar

Busbars and accessories for MCBs S 200 series

PS busbars



Pre-assembled busbars (not to be cut)

1-phase busbars, pin distance 17.6 mm, end caps PS-END 0

No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details	Price 1 piece	Weight 1 piece	Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
2	1	10	0.01	463003	PS1/2	2CDL 210 001 R1002	0.01	180
3	1	10	0.03	514651	PS1/3	2CDL 210 001 R1003	0.03	120
4	1	10	0.03	648233	PS1/4	2CDL 210 001 R1004	0.03	100
6	1	10	0.03	463102	PS1/6	2CDL 210 001 R1006	0.03	60
9	1	10	0.04	463201	PS1/9	2CDL 210 001 R1009	0.04	30
12	1	10	0.05	463300	PS1/12	2CDL 210 001 R1012	0.05	30
12	1	10a	0.05	682985	PS1/12A ²⁾	2CDL 210 010 R1012	0.05	30

3-phase busbars, pin distance 17.6 mm

No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details	Price 1 piece	Weight 1 piece	Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
6	3	10	0.04	463409	PS3/6	2CDL 231 001 R1006	0.04	60
9	3	10	0.07	463508	PS3/9	2CDL 231 001 R1009	0.07	30
12	3	10	0.10	463607	PS3/12	2CDL 231 001 R1012	0.10	30
12	3	10	0.10	463706	PS3/12FI *	2CDL 231 002 R1012	0.09	50

* phase sequence: L1, L2, L3, free, L2, L3, L1, ...

Busbars suitable for cutting

1-phase busbars, pin distance 17.6 mm, end caps PS-END 0

No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details	Price 1 piece	Weight 1 piece	Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
60	1	10	0.26	514668	PS1/60	2CDL 210 001 R1060	0.26	20
60	1	10	0.26	682992	PS1/60A ²⁾	2CDL 210 010 R1060	0.28	50
60	1	16	0.41	516655	PS1/60/16	2CDL 210 001 R1660	0.41	20
60	1	16	0.41	683005	PS1/60/16A ²⁾	2CDL 210 010 R1660	0.39	50
5	1	30	0.04	653244	PS1/5/30 ¹⁾	2CDL 210 001 R3005	0.04	100
10	1	30	0.09	653268	PS1/10/30 ¹⁾	2CDL 210 001 R3010	0.09	100
11	1	30	0.09	653275	PS1/11/30 ¹⁾	2CDL 210 001 R3011	0.10	100
14	1	30	0.120	653282	PS1/14/30 ¹⁾	2CDL 210 001 R3014	0.120	50
15	1	30	0.130	653299	PS1/15/30 ¹⁾	2CDL 210 001 R3015	0.130	50
18	1	30	0.150	653305	PS1/18/30 ¹⁾	2CDL 210 001 R3018	0.150	50
19	1	30	0.160	653312	PS1/19/30 ¹⁾	2CDL 210 001 R3019	0.160	50
60	1	30	0.520	653596	PS1/60/30	2CDL 210 001 R3060	0.520	20

1-phase busbars, connection of 1-pole devices with auxiliary, end caps PS-END 0

No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details	Price 1 piece	Weight 1 piece	Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
38	1	10	0.27	586139	PS1/38H	2CDL 210 001 R1038	0.27	30
38	1	16	0.45	586146	PS1/38/16H	2CDL 210 001 R1638	0.45	30

1) inclusive of end caps

2) pre-cut pins

Busbars and accessories for MCBs S 200 series

PS busbars

1-phase busbars, connection of neutral (blue insulation), end caps END 1.1									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			kg	EAN	Type code	Order code		kg	pc.
28	1	10	0,24	629546	PS1/28N	2CDL 210 001 R1028		0,14	50
28	1	16	0,32	629560	PS1/28/16N	2CDL 210 001 R1628		0,20	50
57	1	10	0,24	579728	PS1/57NA ²⁾	2CDL 210 011 R1057		0,14	50
57	1	10	0,24	629539	PS1/57N	2CDL 210 001 R1057		0,14	50
57	1	16	0,32	579735	PS1/57/16NA ²⁾	2CDL 210 011 R1657		0,20	50
57	1	16	0,32	629553	PS1/57/16N	2CDL 210 001 R1657		0,20	50

1-phase busbars, connection of auxiliaries, end caps END 1.1 except PS 1/57/6									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
					Type code	Order code			
			kg	EAN	Type code	Order code		kg	pc.
23	1	6	0,16	584739	PS1/23/6	2CDL 210 005 R0623		0,09	50
29	1	6	0,14	580823	PS1/29/6	2CDL 210 005 R0629		0,10	50
38	1	6	0,14	580816	PS1/38/6	2CDL 210 005 R0638		0,09	50
57	1	6	0,11	585309	PS1/57/6	2CDL 210 005 R0657		0,08	50

1-phase busbars, connection of hand operated neutral S2C-Nt (blue insulation),end caps END 1.1									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
					Type code	Order code			
			kg	EAN				kg	pc.
38	1	10	0,410	655361	PS1/38 NT	2CDL 210 002 R1038			10

2-phase busbars, pin distance 17,6 mm, end caps PS-END									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			kg	EAN	Type code	Order code		kg	pc.
12	2	10	0,07	556521	PS2/12 ¹⁾	2CDL 220 001 R1012		0,08	50
12	2	10	0,07	584616	PS2/12A ^{1) 2)}	2CDL 220 010 R1012		0,08	50
12	2	16	0,11	646918	PS2/12/16	2CDL 220 001 R1612		0,09	50
58	2	10	0,32	556552	PS2/58	2CDL 220 001 R1058		0,36	10
58	2	16	0,55	556569	PS2/58/16	2CDL 220 001 R1658		0,49	10
58	2	16	0,55	584746	PS2/58/16A ²⁾	2CDL 220 010 R1658		0,49	10
58	2	30	1,81	654272	PS2/58/30 ^{3) 4)}	2CDL 220 001 R3058		1,81	10

Note: PS...A is a busbar with removable pin

2-phase busbars, connection of 2-pole devices with auxiliary, end caps PS-END									
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			kg	EAN	Type code	Order code		kg	pc.
48	2	10	0,47	556538	PS2/48H	2CDL 220 001 R1048		0,35	10
48	2	16	0,68	556545	PS2/48/16H	2CDL 220 001 R1648		0,48	10
48	2	16	0,68	584630	PS2/48/16HA ²⁾	2CDL 220 012 R1648		0,48	10

1) inclusive of end caps

2) pre-cut pins

3) use end cap PS-END 3

4) removal of installed MCB not possible

3-phase busbars, pin distance 17.6 mm, end caps PS-END								
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
11	3	10	0.10	649926	PS3/11 ¹⁾	2CDL 230 001 R1011	0.08	50
12	3	10	0.09	576116	PS3/12 ¹⁾	2CDL 230 001 R1012	0.09	50
12	3	10	0.09	584647	PS3/12A ^{1) 2)}	2CDL 230 010 R1012	0.09	50
12	3	16	0.16	562805	PS3/12/16 ¹⁾	2CDL 230 001 R1612	0.12	50
60	3	10	0.51	514699	PS3/60	2CDL 230 001 R1060	0.47	10
60	3	10	0.51	563758	PS3/60A ²⁾	2CDL 230 010 R1060	0.47	10
60	3	16	0.76	514705	PS3/60/16	2CDL 230 001 R1660	0.65	10
60	3	16	0.76	563765	PS3/60/16A ²⁾	2CDL 230 010 R1660	0.65	10
60	3	30	2.65	654289	PS3/60/30 ^{3) 5)}	2CDL 230 001 R3060	2.65	10

3-phase busbars, connection of 1-pole devices with auxiliary, end caps PS-END								
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
39	3	10	0.51	556590	PS3/39H	2CDL 230 001 R1039	0.43	10
39	3	16	0.76	556606	PS3/39/16H	2CDL 230 001 R1639	0.60	10

3-phase busbars, connection of 2-pole devices (Phase+N) with auxiliary, end caps PS-END								
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
24	3	10	0.80	556576	PS3/24H	2CDL 230 001 R1024	0.41	10

3-phase busbars, connection of 2-pole devices (Phase+Phase) with auxiliary, end caps PS-END								
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
46	3	16	0.98	662109	PS3/46/16H-IT	2CDL 230 001 R1646	0.98	10

3-phase busbars, connection of 3-pole devices with auxiliary, end caps PS-END								
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
48	3	10	0.51	556613	PS3/48H	2CDL 230 001 R1048	0.43	10
48	3	16	0.76	556644	PS3/48/16H	2CDL 230 001 R1648	0.60	10
48	3	16	0.76	584654	PS3/48/16HA ²⁾	2CDL 230 012 R1648	0.60	10

3-phase busbars, connection of 1+N or RCBOs, end caps PS-END								
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight Pack 1 piece unit
			kg	EAN	Type code	Order code	kg	pc.
30	3	10	0.50	556583	PS3/30	2CDL 230 001 R1030	0.42	10

1) inclusive of end caps

2) pre-cut pins

3) use end cap PS-END 3

4) use end cap PS-END 3.1

5) removal of installed MCB not possible

Busbars and accessories for MCBs S 200 series

PS busbars

3-phase busbars, N of the RCD omitted, end caps PS-END									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
					kg	EAN			
9	3	10	0.10	517515	PS3/9FI ¹⁾	2CDL 230 002 R1009		0.06	50
10	3	10	0.10	517522	PS3/10FI ¹⁾	2CDL 230 002 R1010		0.07	50
12	3	10	0.11	571074	PS3/12FI ¹⁾	2CDL 230 002 R1012		0.09	50
57	3	10	0.55	556651	PS3/57FI	2CDL 230 002 R1057		0.46	10

3-phase busbars, N of the RCD omitted, with auxiliary at RCD end caps PS-END									
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
					Type code	Order code			
			kg	EAN				kg	pc.
12	3	10	0.11	571081	PS3/12FIH ¹⁾	2CDL 230 003 R1012		0.09	50

4-phase busbars, pin distance 17.6 mm, end caps PS-END 1									
No. of pins	Phases	mm²	Cu-No.	Bbn	Order details		Price 1 piece	Weight 1 piece	Pack unit
			4016779	EAN					
12	4	10	0.12	656054	PS4/12 ¹⁾	2CDL 240 101 R1012		0.11	30
12	4	10	0.12	656061	PS4/12A ^{1) 2)}	2CDL 240 110 R1012		0.11	30
12	4	16	0.24	656078	PS4/12/16 ¹⁾	2CDL 240 101 R1612		0.16	30
60	4	10	0.80	656085	PS4/60	2CDL 240 101 R1060		0.64	10
60	4	16	1.21	656092	PS4/60/16	2CDL 240 101 R1660		0.89	10
60	4	16	1.21	656108	PS4/60/16A ²⁾	2CDL 240 110 R1660		0.89	10
60	4	30	3.37	654296	PS4/60/30 ^{4) 5)}	2CDL 240 001 R3060		3.37	10

Note: PS...A is a busbar with removable pin

4-phase busbars, connection of 4-pole devices with auxiliary, end caps PS-END 1									
No. of pins	Phases	mm ²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			kg	EAN	Type code	Order code	kg	pc.	
52	4	16	1.30	656115	PS4/52/16H	2CDL 240 101 R1652		0.78	10
52	4	16	1.30	656122	PS4/52/16HA ²⁾	2CDL 240 212 R1652		0.78	10

4-phase busbars, connection of 1+N or RCBOs, end caps PS-END 1									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
					kg	EAN			
12	4	10	0.14	656139	PS4/12NA ^{1) 2)}	2CDL 240 213 R1012		0.10	30
58	4	10	0.80	656146	PS4/58N	2CDL 240 101 R1058		0.59	10
58	4	16	1.21	656153	PS4/58/16N	2CDL 240 101 R1658		0.77	10
58	4	16	1.21	656221	PS4/58/16NA ¹⁾	2CDL 240 213 R1658		0.77	10

1) inclusive of end caps

2) pre-cut pins

3) use end cap PS-END 3

4) use end cap PS-END 3.1

5) removal of installed MCB not possible

4-phase busbars, connection of 1+N or RCBOs with auxiliary, end caps PS-END 1									
No. of pins	Phases	mm²	Cu-No.	Bbn	Order details		Price	Weight	Pack
				4016779			1 piece	1 piece	unit
			kg	EAN	Type code	Order code		kg	pc.
48	4	16	1.48	656160	PS4/48/16NHA ¹⁾	2CDL 240 114 R1648		0.76	10

4-phase busbars, connection of 4-pole RCD with 1+N , end caps PS-END 1									
No. of pins	Phases	mm²	Cu-No.	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
					Type code	Order code			
			kg	EAN				kg	pc.
58	4	10	0.80	656177	PS4/58NNA ¹⁾	2CDL 240 110 R1058		0.58	10
58	4	16	1.21	656184	PS4/58/16NNA ¹⁾	2CDL 240 110 R1658		0.80	10

1) pre-cut pins

MCBs

S200C Compact MCBs - Busbars

Busbars available for the connection with S200C series

Busbars

No. of Modules	Phases	mm ²	Bbn 4053546 EAN	Order details		Weight 1 piece kg	Pack unit pc.
				Type code	Order code		
13	1	10	046830	BB-SU 1/13/10 GREY	2CDL801141R1013	0.044	15
13	1	10	046847	BB-S 1/13/10 BLUE	2CDL801145R1013	0.044	15
18	2	10	046755	BB-SU 2/36/10	2CDL802141R1018	0.112	20
56	2	10	046816	BB-SU 2/112/10	2CDL802141R1055	0.336	20
12	3	10	046762	BB-SU 3/24/10	2CDL803141R1024	0.125	15
56	3	10	046779	BB-SU 3/112/10	2CDL803141R1111	0.579	15
54	4	10	046809	BB-SU 4/108/10 N	2CDL804142R1110	0.752	10
55	4	10	046786	BB-SU 4/112/10 Kit*	2CDL804141R1055	0.64	5

*incl. 4 end caps and 4 connection clamps

End Caps

mm ²	Bbn 4053546 EAN	Order details		Weight 1 piece kg	Pack unit pc.
		Type code	Order code		
10/16	046717	BB-END 2.1	2CDL800001R0021	0.001	10
16	046731	BB-END 3.2	2CDL800001R0030	0.001	10
10/16	046823	BB-END 4.1	2CDL800001R0040	0.001	10

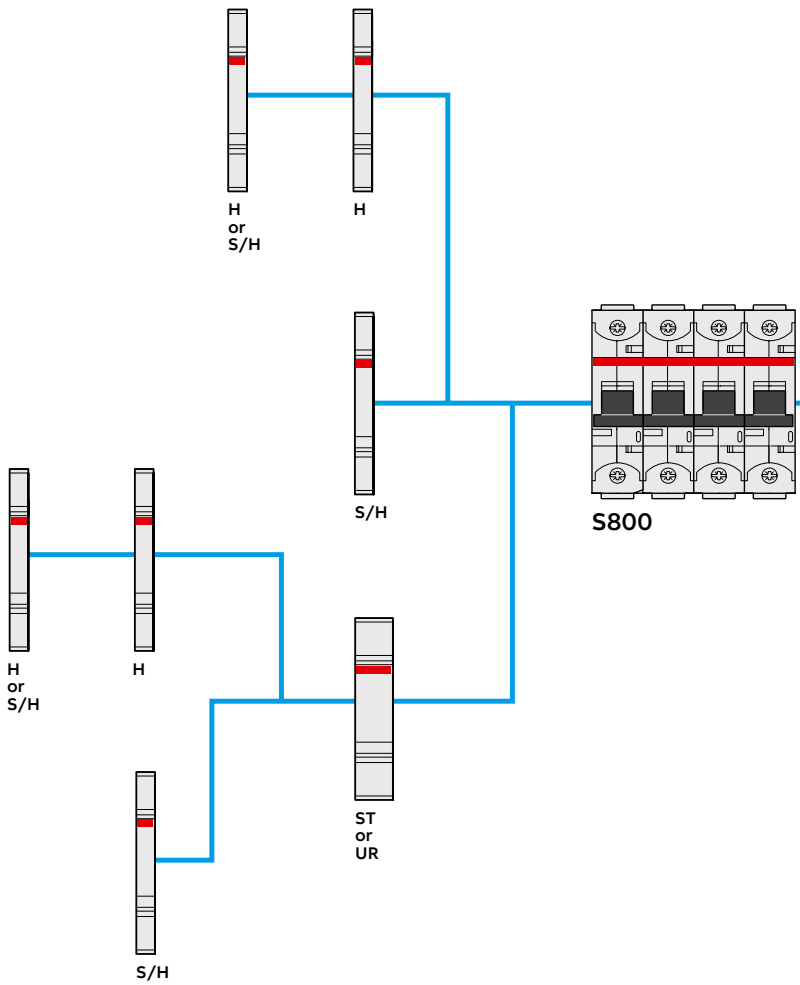
Feeder Terminal

mm ²	Bbn 4053546 EAN	Order details		Weight 1 piece kg	Pack unit pc.
		Type code	Order code		
25	046748	BB-FS 25/27 Q	2CDL800001R2527	0.015	30

Auxiliary elements for MCBs S800 S series

Selection table

Combination between auxiliary elements and S800 S



H = Aux	Auxiliary contact
S/H = Aux / Alt	Signal/Auxiliary contact
UR = UVR	Undervoltage release
ST = SOR product name	Shunt trip

Auxiliary elements for S800 S

Remote switch unit S800-RSU-H			
Operating voltage		[V]	24 DC
Current consumption I _{rms}		[A]	2,5
Stand-by current		[mA]	< 50
Switching time OFF-ON		[ms]	< 500
Switching time ON-OFF		[ms]	< 250
Ambient operation temperature		[°C]	-25...+70
Switching cycles over lifetime			10000
Standard			IEC 60947-2 Annex N
Protection			IP20
Weight		[g]	300
Connection			10 pole Micro Fit 3,0
Short circuit limiter S803S-SCL			
Max. rated continuous current I _n		[A]	32, 63, 125
Poles			3
Rated operating voltage U _e (AC) 50/60Hz		[V]	400/690
Rated insulation voltage U _i		[V]	690
Rated impulse withstand voltage U _{imp}		[kW]	8
Ultimate short-circuit breaking capacity I _{cu} in accordance with IEC 60947-2	400VAC	[kA]	100
	440VAC	[kA]	100
	690VAC	[kA]	50
Service short-circuit breaking capacity I _{cs} in accordance with IEC 60947-2			100% I _{cu}
Rated frequency		[Hz]	50/60
Mounting position			any
Disconnecter properties according to IEC 60947-2			yes
Standard			IEC 60947-2
Connection Cu	[mm²]		1...25 strand
			1...35 cable
Connection Cu > 32 A	[mm²]		6...50 strand
			6...70 cable
Tightening torque		[Nm]	min. 3/max. 4
Supply			any
Mounting on DIN top hat rail			EN 60715
Permissible ambient temperature for operations		[°C]	-25...+60
Storage temperature		[°C]	-40...+70
Type of protection			IP20 IP40 (only actuation side)
Classification in accordance with NF-16-101, NF16-102			I3F2
Resistance to vibration			IEC 60068-2-27; IEC 60068-2; EN 61373 Cat.1/class B

Rated current I _n		Internal resistance R _i	Power loss P _v
[A]		[mΩ]	[W]
32		1.7	1.7
63		1.0	4.0
125		0.6	9.4

Auxiliary contact S800-AUX		
Utilization category		AC15 400/2 A
		AC15 240/6 A
		DC13 250/0.55 A
		DC13 125V/1.1 A
		DC13 60V/2 A
		DC13 24V/4 A
Continuous thermal current I _n	[A]	6
Rated insulation voltage U _i	[V]	690
Number of contacts		2
Rated impulse withstand voltage U _{imp}	[kV]	6
Pollution degree		3
Function of contact		Changeover contacts
Connection Cu	[mm ²]	1 x 2.5
		2 x 1.5
Tightening torque	[Nm]	1
AC/DC supply		any
Mounting on DIN top hat rail		EN 60715
Type of protection		IP20
Permissible ambient temperature for operations	[°C]	-25...+60
Storage temperature	[°C]	-40...+70
Mech. device service life		6000 switching cycles
Icu with S450E	[A]	1000
Resistance to vibration		IEC 60068-2-6; EN 61373 Cat.1/class B 5g, 20 frequency cycle 5...150...5 Hz at 24 V AC/DC, 5 mA brief interrupt <10 ms

Auxiliary elements for S800 S

Combined auxiliary and signal contact S800 AUX/ALT		
Utilization category		AC15 400/2 A
		AC15 240/6 A
		DC13 250/0.55 A
		DC13 125V/1.1 A
		DC13 60V/2 A
		DC13 24V/4 A
Continuous thermal current I _n	[A]	6
Rated insulation voltage U _i	[[A]]	690
Number of contacts		2 (1x AUX, 1 x AUX/ALT)
Rated impulse withstand voltage U _{imp}	[kV]	6
Pollution degree		3
Function of contact		Changeover contacts
Connection Cu	[mm ²]	1 x 2.5
		2 x 1.5
Tightening torque	[Nm]	1
AC/DC supply		any
Mounting on DIN top hat rail		EN 60715
Type of protection		IP20
Permissible ambient temperature for operations	[°C]	-25...+60
Storage temperature	[°C]	-40...+70
Mech. device service life		6000 switching cycles
I _{cu} with S450E	[A]	1000
Resistance to vibration		IEC 60068-2; EN 61373 Cat.1/class B 5g, 20 frequency cycle 5...150...5Hz at 24 V AC/DC, 5 mA brief interrupt <10 ms

Shunt Operation Release S800-SOR					
		S800-SOR24	S800-SOR130	S800-SOR250	S800-SOR400
Rated voltage Ue	[V AC/DC]	24	48...130	110...250	220...400/250 a
Operating range	[%] Ue	70...110			
Rated insulation voltage Ui	[V]	690			
Coil pull in consumption	[W/VA]	1.6/17 a	41.9...307.3 42...310 ¹⁾	23...119 20...105 ¹⁾	45...148.1
Rated frequency	[Hz]	DC; 50/60			
Pollution degree		3			
Connection Cu	[mm ²]	1...25 strand 1...35 cable			
Tightening torque	[Nm]	min.3/ max.4			
AC/DC supply		any			
DIN top hat rail		EN 60715			
Type of protection		IP20 IP40 (only actuation side)			
Permissible ambient temperature of operations	[°C]	-25...+60			
Storage temperature	[°C]	-40...+70			
Resistance to vibration		IEC 60068-2-6; EN61373 Cat.1/class B			

1) according to UL 489

Undervoltage Release S800-UVR					
		S800-UVR36	S800-UVR60	S800-UVR130	S800-UVR250
Rated voltage Ue	[V AC/DC]	24...36	48...60	110...130	220...250
Operating range	Operating opening	[%] Ue	35...70		
	Operating closing	[%] Ue	85		
Rated insulation voltage Ui	[V]	690			
Coil pull in consumption	[W/VA]	1.1...1.14/1.2	1.14...1.25/1.3 ¹⁾	1.3...1.41/1.4 ¹⁾	1.71...1.91/1.9 ¹⁾
Rated frequency	[Hz]	DC; 50/60			
Pollution degree		3			
Standard		IEC 60947-5-1, UL 489			
Connection Cu	[mm ²]	1...25 strand 1...35 cable			
Tightening torque	[Nm]	min.3/ max.4			
AC/DC supply		any			
DIN top hat rail		EN 60715			
Type of protection		IP20 IP40 (only actuation side)			
Permissible ambient temperature of operations	[°C]	-25...+60			
Storage temperature	[°C]	-40...+70			
Resistance to vibration		IEC 60068-2-6; EN61373 Cat.1/class B			

1) according to UL 489

Auxiliary elements for S800 S

Busbar S803-BB250			
Max. rated continuous current I_n	Side supply	[A]	125
	Central supply	[A]	250
Conditional short circuit current I_p		[kA eff]	100 protected by T_{max}
Poles			3
Rated operating voltage U_e (AC) 50/60Hz		[V]	400/690
Rated insulation voltage U_i		[V]	690
Rated impulse withstand voltage U_{imp}		[kV]	8
Rated frequency		[Hz]	50
Standards			EN 60439-2:2000
Material of the bars			E-Cu 58 half-hard rolled F25
Material of the insulation profile			Cycoloy C 3600; UL94 V-0 at 1,5 mm
Material of the end caps			Polyamide PA66+PA6; UL94 V-0 at 0.4mm Free of halogen and phosphorus
Busbar cross-sections		[mm ²]	60
Overvoltage category			III
Pollution degree			2

Busbar Power Connector S803-BBPC120			
Max. rated continuous current I_n		[A]	250
Poles			3
Rated operating voltage U_e		[V]	400/690
Rated frequency		[Hz]	50
Standards			EN 60439-2:2000
Material of the terminals			CuZn39Pb2; material no.: 2.0380
Casing material			Polyamide PA66+PA6; UL94 V-0 at 0,4mm Free of halogen and phosphorus
Tightening torque			
At supply end		[Nm]	19
At busbar end		[Nm]	3
Connection cross-section		[mm ²]	1,6...120
Pollution degree			2

Accessories for S800



breaker is
not included

Auxiliary contact					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Auxiliary contact	206802	S800-AUX	2CCS800900R0011	0.049	1

Combined auxiliary and signal contact					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Auxiliary/signal contact	206819	S800-AUX/ALT	2CCS800900R0021	0.050	1

Separating neutral					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Separating neutral 63 A	208196	S800-NT	2CCS800900R0061	0.115	1

Shunt operation releases					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
2VAC/DC	212070	S800-SOR12	2CCS800900R0191	0.15	1
24VAC/DC	208318	S800-SOR24	2CCS800900R0191	0.15	1
48...130VAC/DC	208349	S800-SOR130	2CCS800900R0221	0.15	1
110...250VAC/DC	208332	S800-SOR250	2CCS800900R0211	0.15	1
220...400VAC/DC	208356	S800-SOR400	2CCS800900R0231	0.15	1

Under voltage releases					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
24...36VAC/DC	208363	S800-UVR36	2CCS800900R0241	0.15	1
48...60VAC/DC	208370	S800-UVR60	2CCS800900R0251	0.15	1
110...130VAC/DC	208387	S800-UVR130	2CCS800900R0261	0.15	1
220...250VAC/DC	208394	S800-UVR250	2CCS800900R0271	0.15	1

Remote switching unit					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Remote switching unit	411244	S800-RSU-H	2CCS800900R0501	0.300	1

Accessories for S800



Cable and Micro Fit					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
S800-RSU cable with plug	412869	S800-RSU-CP	2CCS800900R0541	0.35	1
10-pole Micro Fit 3.0 plug	412845	S800-RSU-P	2CCS800900R0551	0.35	1

Short-circuit current limiters with cage terminal					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
A	EAN	Type code	Order code	kg	pc.
32	208912	S803S-SCL32	2CCS800900R0291	0.735	1
63	208929	S803S-SCL63	2CCS800900R0301	0.735	1
125	208905	S803S-SCL125	2CCS800900R0281	0.735	1

Short-circuit current limiters with ring terminal cable connection					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
A	EAN	Type code	Order code	kg	pc.
32	408916	S803S-SCL32-R	2CCS800900R0332	0.735	1
63	208950	S803S-SCL63-R	2CCS800900R0331	0.735	1
125	208936	S803S-SCL125-R	2CCS800900R0311	0.735	1

Self-resetting short-circuit limiter IEC version					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
A	EAN	Type code	Order code	kg	pc.
32	412012	S801S-SCL32-SR	2CCS801901R0539	0.25	1
63	412036	S801S-SCL63-SR	2CCS801901R0599	0.25	1
100	411992	S801S-SCL100-SR	2CCS801901R0639	0.25	1
32	412074	S802S-SCL32-SR	2CCS801901R0539	0.5	1
63	412098	S802S-SCL63-SR	2CCS801901R0599	0.5	1
100	412050	S802S-SCL100-SR	2CCS801901R0639	0.5	1
32	411930	S803S-SCL32-SR	2CCS803901R0539	0.75	1
63	411947	S803S-SCL63-SR	2CCS803901R0599	0.75	1
100	411954	S803S-SCL100-SR	2CCS803901R0639	0.75	1

Self-resetting short-circuit limiter World version					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
A	EAN	Type code	Order code	kg	pc.
32	412319	S803W-SCL32-SR	2CCS803917R0539	0.75	1
63	412326	S803W-SCL63-SR	2CCS803917R0599	0.75	1
100	412302	S803W-SCL100-SR	2CCS803917R0639	0.75	1

Busbar					
Description	Bbn 7612271	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Busbar 250 A	208288	S803-BB250	2CCS800900R0071	1.5	1

DIN-Rail components for rolling stock applications

Technical details

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MCBs technical details

Tripping characteristics

Tripping characteristics S200 MCBs series

			Thermal release ²⁾		Electromagnetic release ¹⁾			
Acc. to	Tripping characteristic and rated current		Current:		Tripping time	Currents:		Tripping time
			conventional non-tripping current	conventional tripping current		hold current surges	trip at least at	
IEC/EN 60898-1	B	6 to 63 A	1.13 · I _n		> 1 h	3 · I _n		> 0.1 s
				1.45 · I _n	< 1 h		5 · I _n	< 0.1 s
	C	0.5 to 63 A	1.13 · I _n		> 1 h	5 · I _n		> 0.1 s
				1.45 · I _n	< 1 h		10 · I _n	< 0.1 s
	D	0.5 to 63 A	1.13 · I _n		> 1 h	10 · I _n		> 0.1 s
				1.45 · I _n	< 1 h		20 · I _n	< 0.1 s
IEC/EN 60947-2	K	0.2 to 63 A	1.05 · I _n		> 1 h	10 · I _n		> 0.2 s
				1.2 · I _n	< 1 h ³⁾		14 · I _n	< 0.2 s
				1.5 · I _n	< 2 min. ³⁾			
				6.0 · I _n	> 2 s (T1)			
	Z	0.5 to 63 A	1.05 · I _n		> 1 h	2 · I _n		> 0.2 s
				1.2 · I _n	< 1 h ³⁾		3 · I _n	< 0.2 s

1) The indicated electromagnetic tripping values apply to a frequency range of 16 2/3 ... 60 Hz. For different network frequencies or direct current the values change according to the multiplier in the table below

2) The thermal releases are calibrated to a nominal reference ambient temperature; for Z and K, the value is 20 °C, for B and C = 30 °C. In the case of higher ambient temperatures, the current values fall by ca. 6 % for each 10 K temperature rise.

3) As from operating temperature (after I_t > 1 h or, as applicable, 2 h).

	AC			DC
	100 Hz	200 Hz	400 Hz	
Multiplier	1.1	1.2	1.5	1.5

The thermal tripping performance is independent from the network frequency

Tripping characteristic S800 S series

Acc. to	Tripping characteristic and rated current		Thermal release ²⁾		Electromagnetic release ¹⁾	
			Current		Current	
			conventional non-tripping current	conventional tripping current	hold current surges	trip at least at
IEC/EN 60898-1	B	10 to 80 A	1.13 · I _n	> 1 h	3 · I _n	> 0.1 s
			1.45 · I _n	< 1 h	5 · I _n	< 0.1 s
	C	10 to 80 A	1.13 · I _n	> 1 h	5 · I _n	> 0.1 s
			1.45 · I _n	< 1 h	10 · I _n	< 0.1 s
IEC/EN 60947-2	B	6 to 125 A	1.05 · I _n	> 1 h	3.2 · I _n	> 0.1 s
			1.3 · I _n	< 1 h	4.8 · I _n	< 0.1 s
	C	6 to 125 A	1.05 · I _n	> 1 h	6.4 · I _n	> 0.1 s
			1.3 · I _n	< 1 h	9.6 · I _n	< 0.1 s
	K	6 to 125 A	1.05 · I _n	> 1 h	10.4 · I _n	> 0.1 s
			1.2 · I _n	< 1 h	15.6 · I _n	< 0.1 s
	UCB (DC only)	10 to 125 A	1.05 · I _n	> 1 h	4.8 · I _n	> 0.1 s
			1.3 · I _n	< 1 h	7.2 · I _n	< 0.1 s
	UCK (DC only)	10 to 125 A	1.05 · I _n	> 1 h	8.8 · I _n	> 0.1 s
			1.2 · I _n	< 1 h	13.2 · I _n	< 0.1 s

1) The indicated electromagnetic tripping values apply to a frequency of 50/60 Hz.

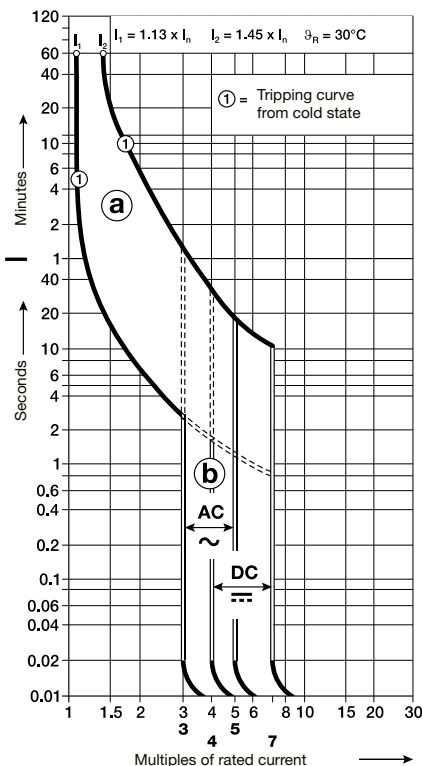
2) The thermal release are calibrated to a nominal reference ambient temperature; for B, C, D, UCB and PVS it is 30 °C, for K, UCK it is 20 °C for Z, K and UCZ it is 25 °C.

RCBOs technical details

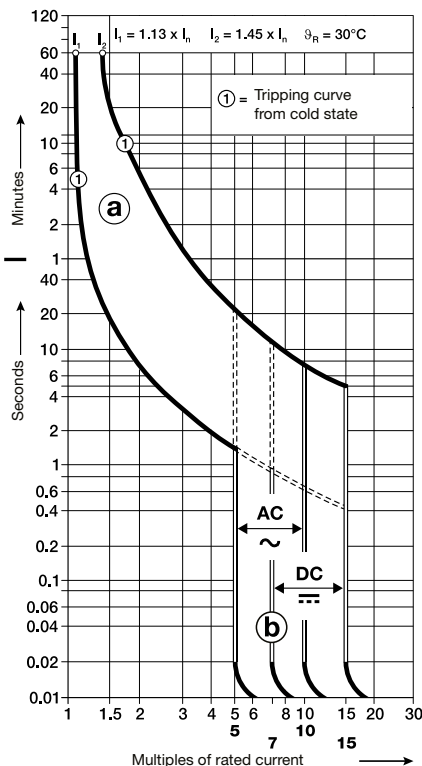
Tripping characteristics S200 MCBs, S800S MCBs and DS201 T RCBO

Tripping characteristic for S200 MCBs series and DS201 T RCBO

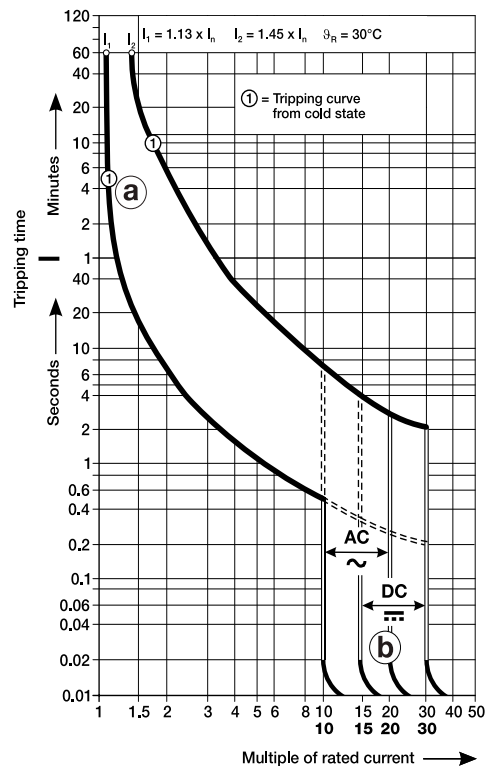
Characteristic B
IEC-EN60898



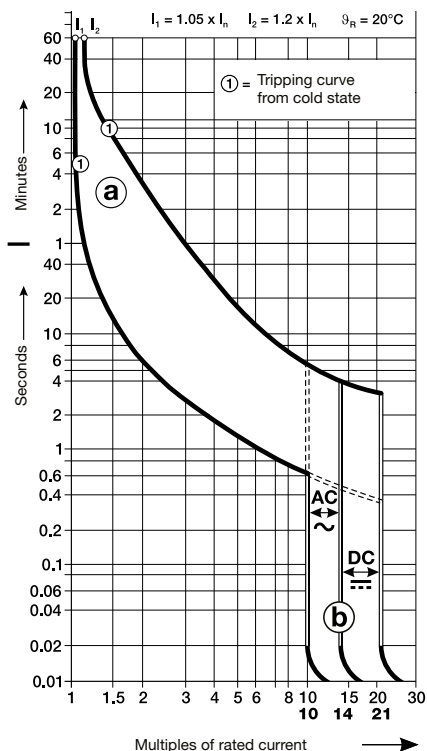
Characteristic C
IEC-EN60898



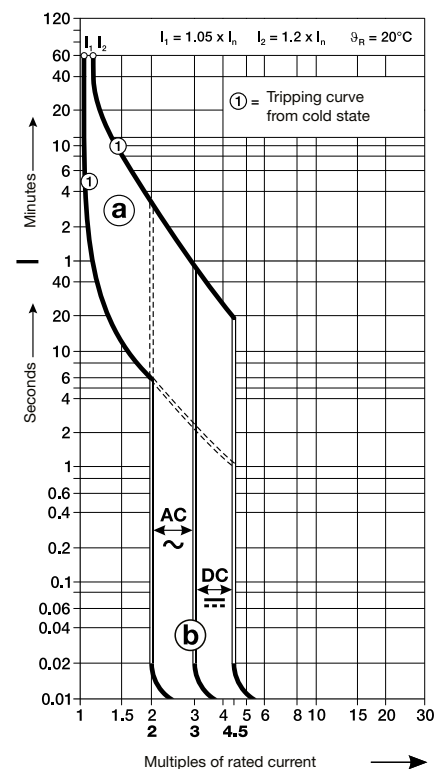
Characteristic D
IEC-EN60898



Characteristic K
IEC-EN60947-2



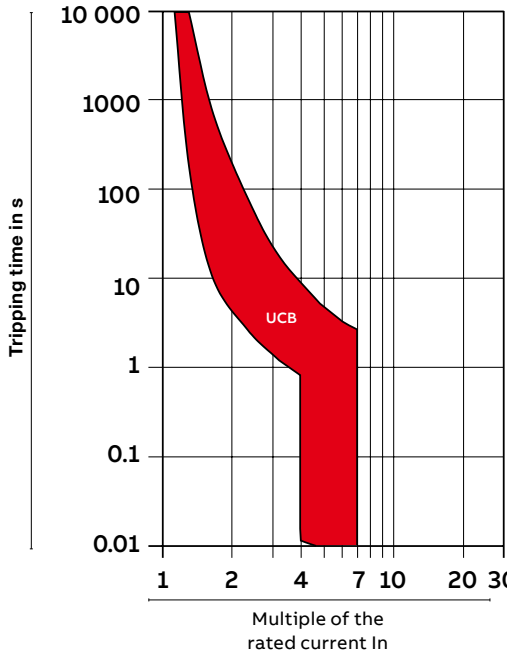
Characteristic Z
IEC-EN60947-2



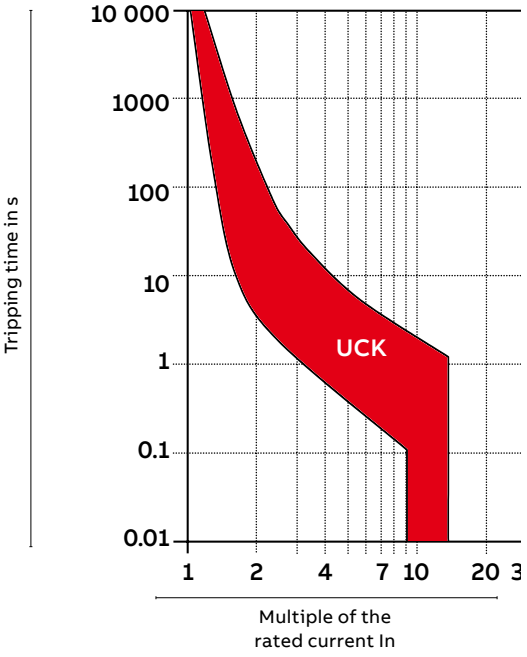
1) thermal trip
2) electromagnetic trip

Tripping characteristic for S800S UC MCBs series

Characteristic UCB
IEC/EN 60947-2



Characteristic UCK
IEC/EN 60947-2



MCBs technical details

Tripping characteristics

Tripping characteristics

Acc. to	Tripping characteristic and rated current	Thermal release ²⁾			Electromagnetic release ¹⁾		
		Current:		Tripping time	Currents:		Tripping time
		conventional non-tripping current	conventional tripping current		hold current surges	trip at least at	
IEC/EN 61009-1	B	6 to 32 A	1.13 · I _n	> 1 h	3 · I _n		> 0.1 s
			1.45 · I _n	< 1 h		5 · I _n	< 0.1 s
	C	6 to 32 A	1.13 · I _n	> 1 h	5 · I _n		> 0.1 s
			1.45 · I _n	< 1 h		10 · I _n	< 0.1 s
IEC/EN 60947-2	K	6 to 32 A	1.05 · I _n	> 1 h	10 · I _n		> 0.2 s
			1.2 · I _n	< 1 h ³⁾		14 · I _n	< 0.2 s
			1.5 · I _n	< 2 min. ³⁾			
			6.0 · I _n	> 2 s (T1)			

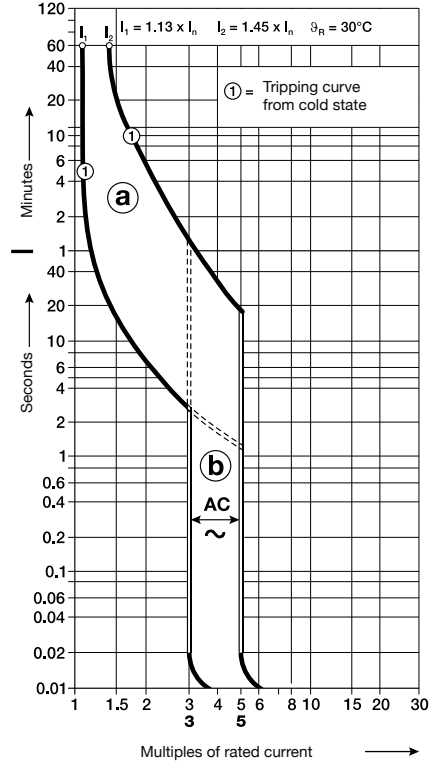
1) The indicated electromagnetic tripping values apply to a frequency range of 16 2/3 ... 50 Hz.

2) The thermal releases are calibrated to a nominal reference ambient temperature; for K, the value is 20 °C, for B and C = 30 °C.

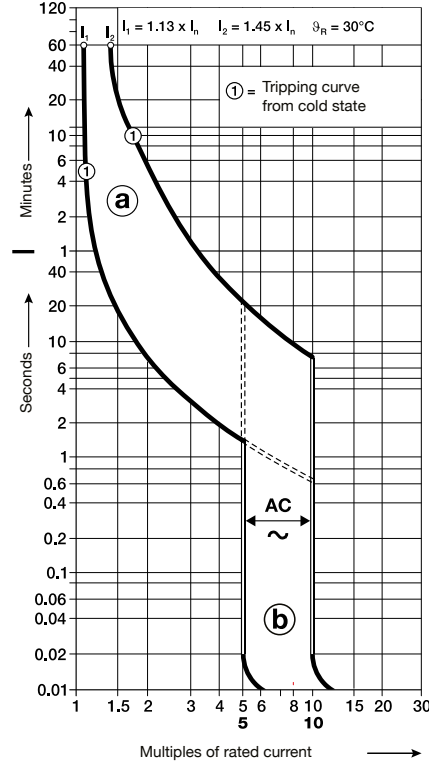
In the case of higher ambient temperatures, the current values fall by ca. 6 % for each 10 K temperature rise.

3) As from operating temperature (after I1 > 1 h or, as applicable, 2 h).

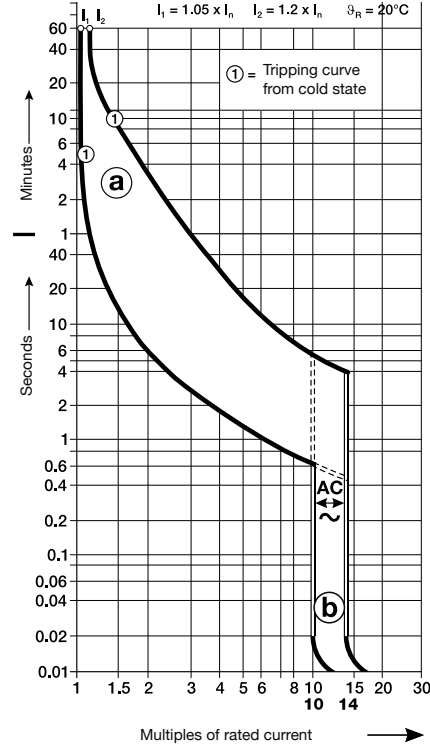
Characteristic B
IEC/EN 61009-1



Characteristic C
IEC/EN 61009-1



Characteristic K
IEC-EN60947-2



a) thermal trip

b) electromagnetic trip

MCBs technical details

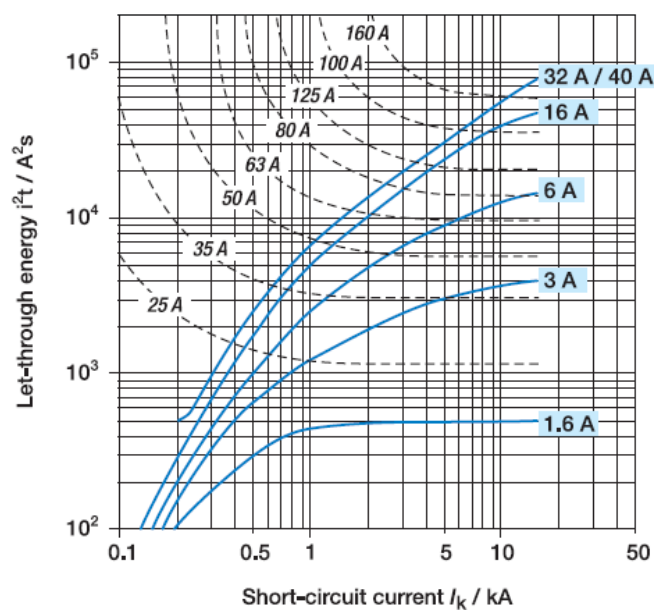
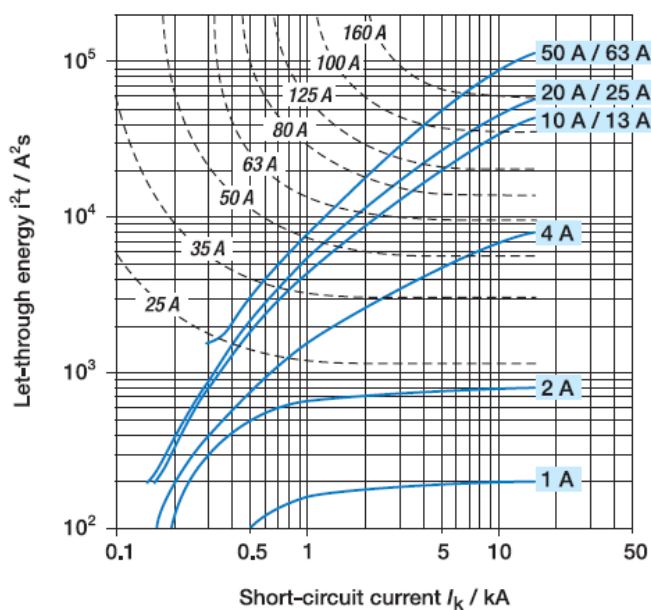
Limitation of specific let-through energy I^2t

I^2t diagrams - Specific let-through energy value I^2t

The I^2t curves give the values of the specific let-through energy expressed in A^2s (A=amps; s=seconds) in relation to the perspective short-circuit current (I_{rms}) in kA.

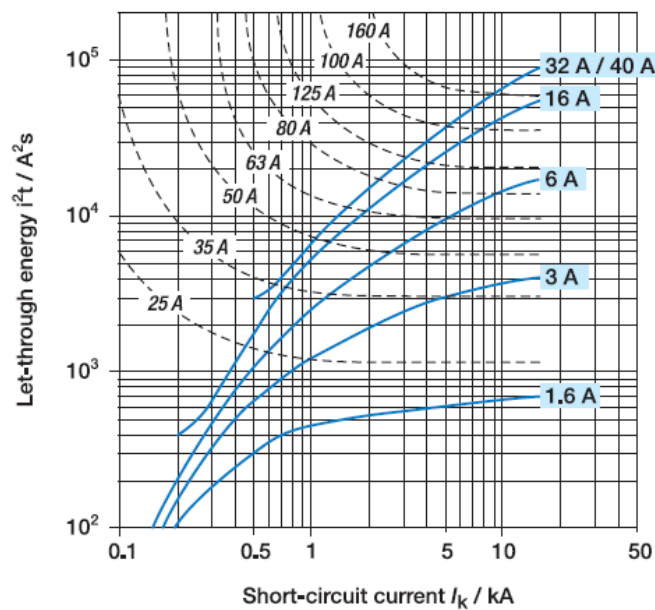
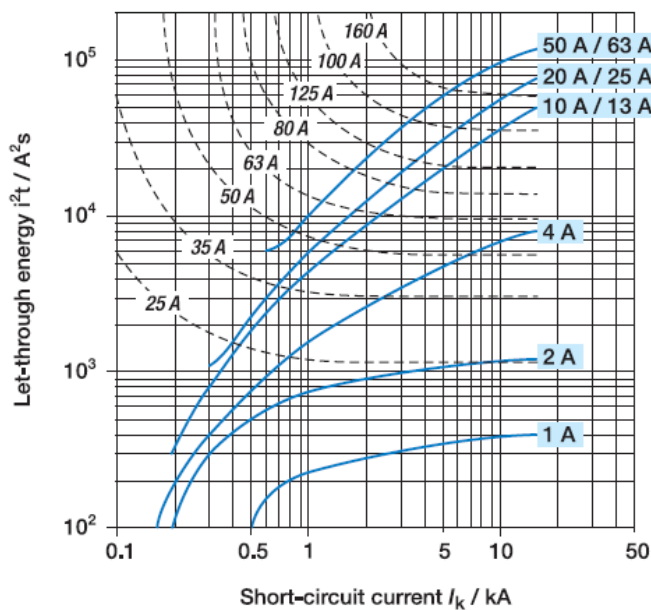
S 200 MT and S 200 P, characteristics B and C

230/400 V let-through energy



S 200 MT and S 200 P, characteristics D-K

230/400 V let-through energy

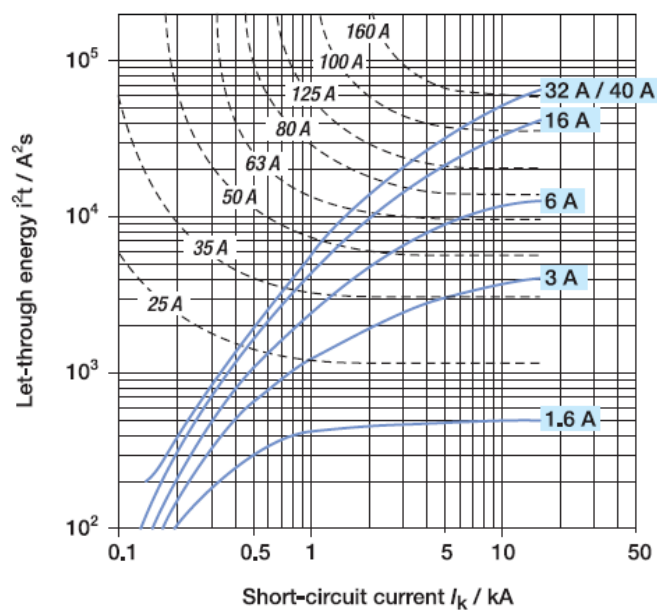
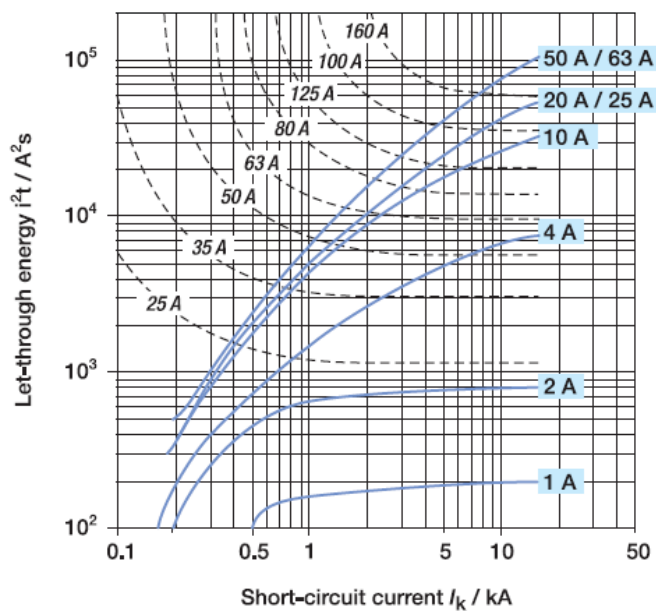


MCBs technical details

Limitation of specific let-through energy I^2t

S 200 MT and S 200 P, characteristic Z

230/400 V let-through energy

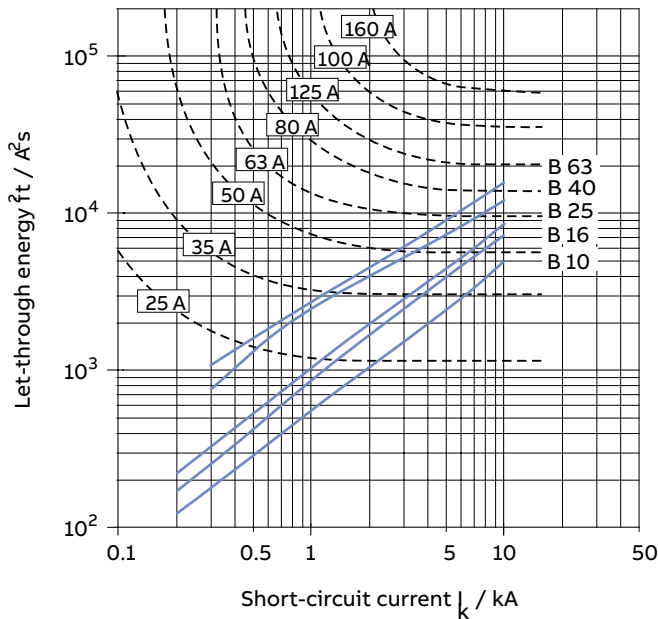


MCBs technical details

Limitation of specific let-through energy I^2t

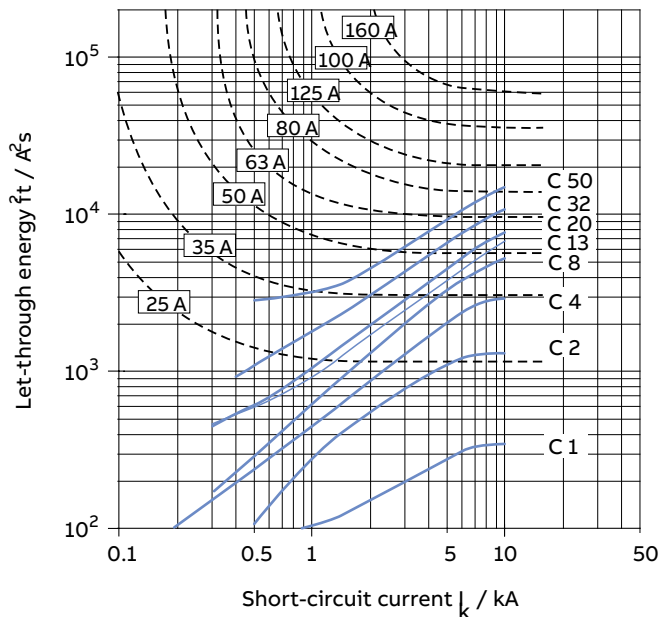
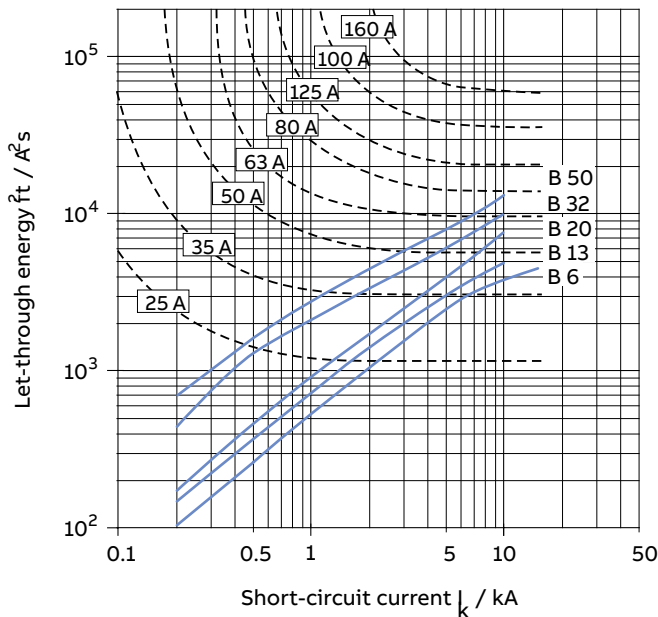
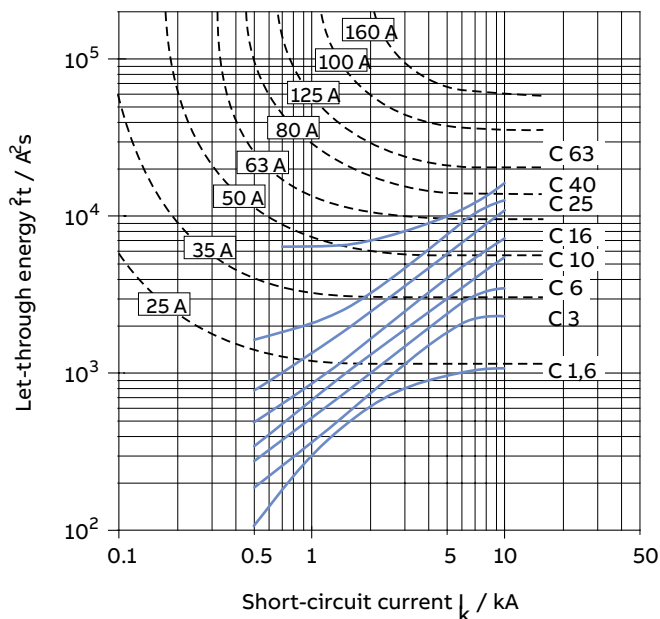
S200MUC-B B-characteristic

1p: 220 V DC, 2 p: 440 V DC let-through energy



S200MUC-C C-characteristic

1p: 220 V DC, 2 p: 440 V DC let-through energy

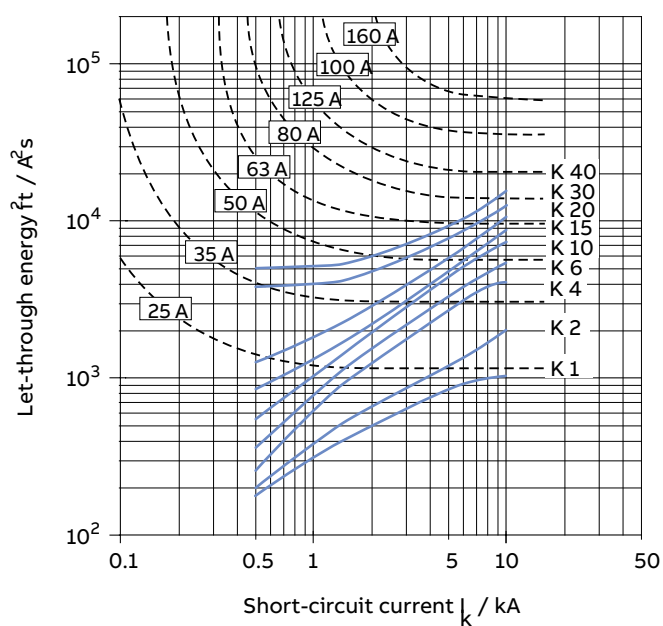
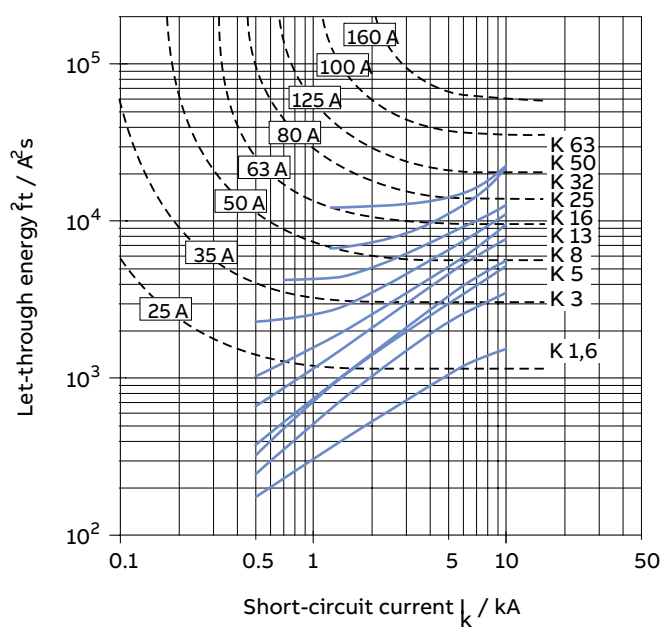


MCBs technical details

Limitation of specific let-through energy I^2t

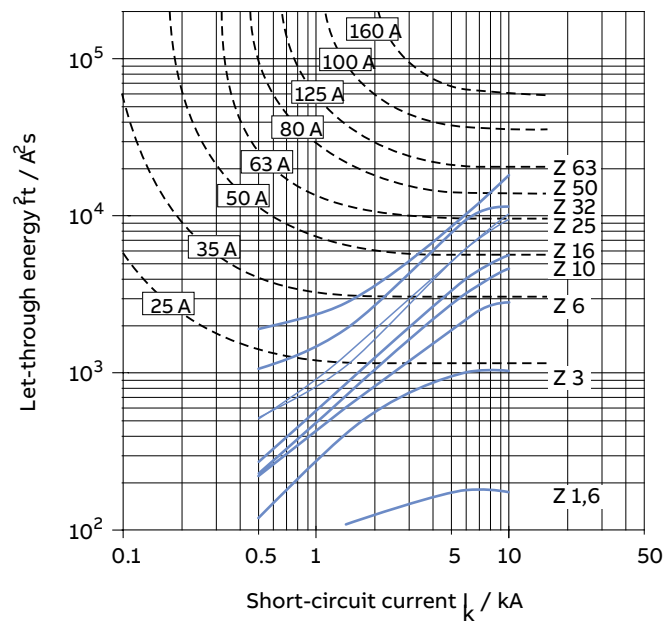
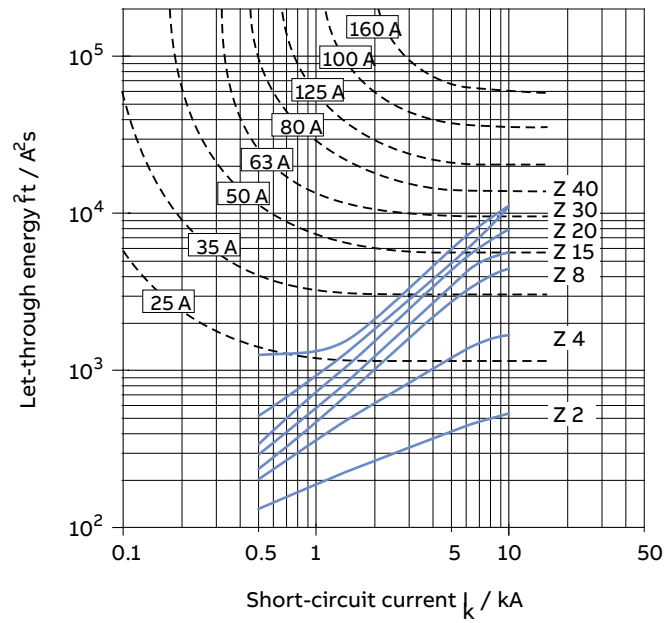
S200MUC-K K-characteristic

1p: 220 V DC, 2 p: 440 V DC let-through energy



S200MUC-Z Z-characteristic

1p: 220 V DC, 2 p: 440 V DC let-through energy

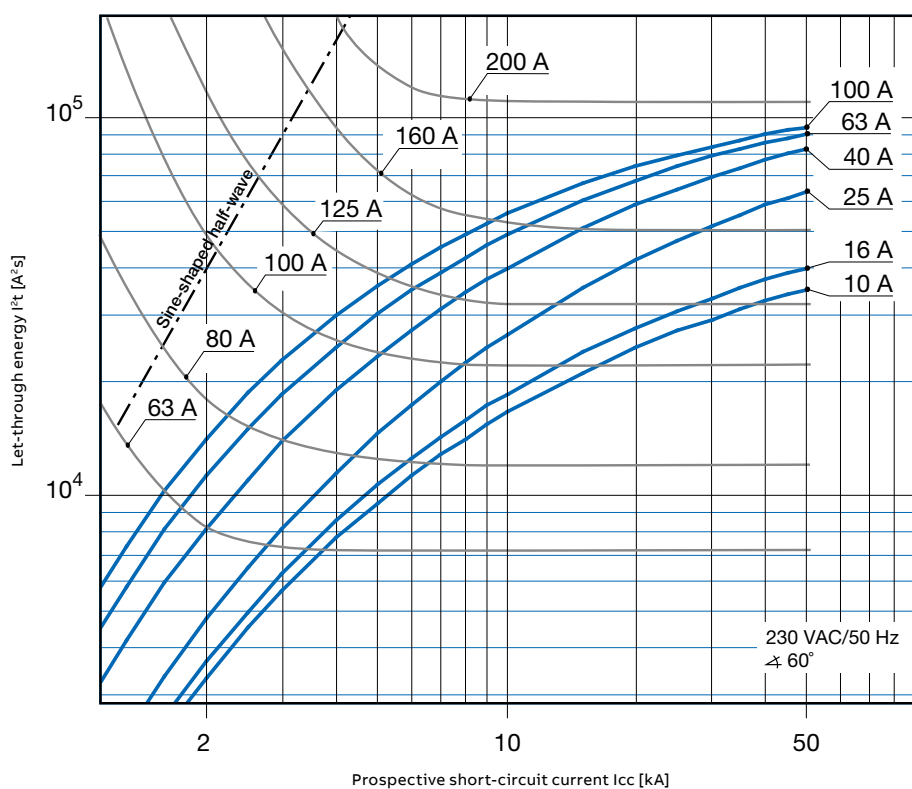
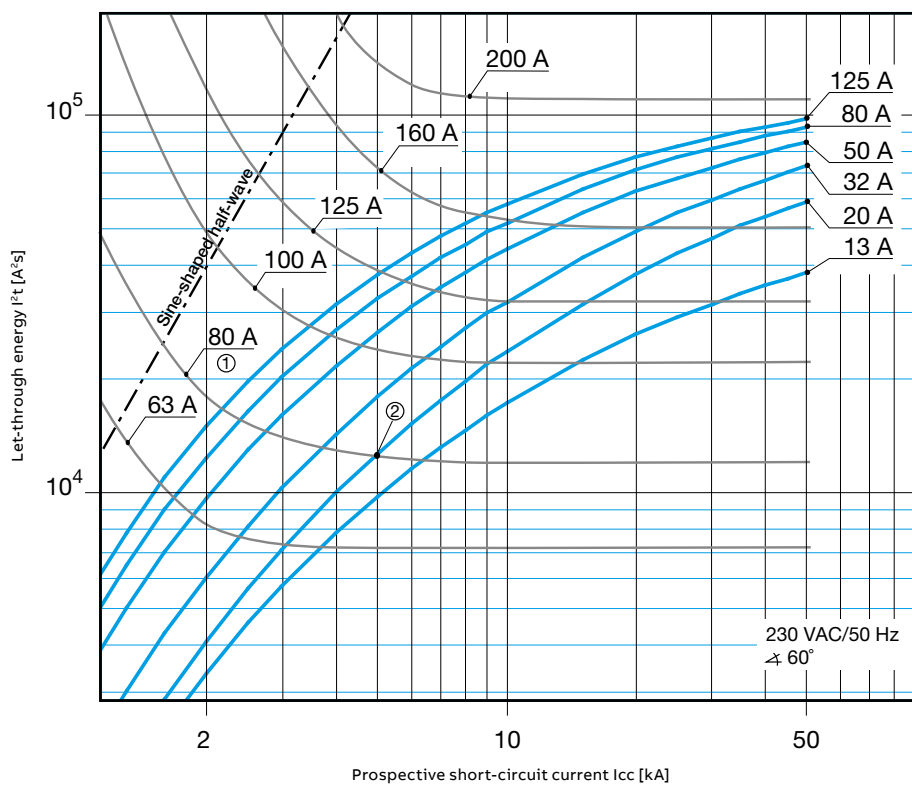


MCBs technical details

Limitation of specific let-through energy I^2t

S800 S characteristics B, C, D and K

230 V let-through energy

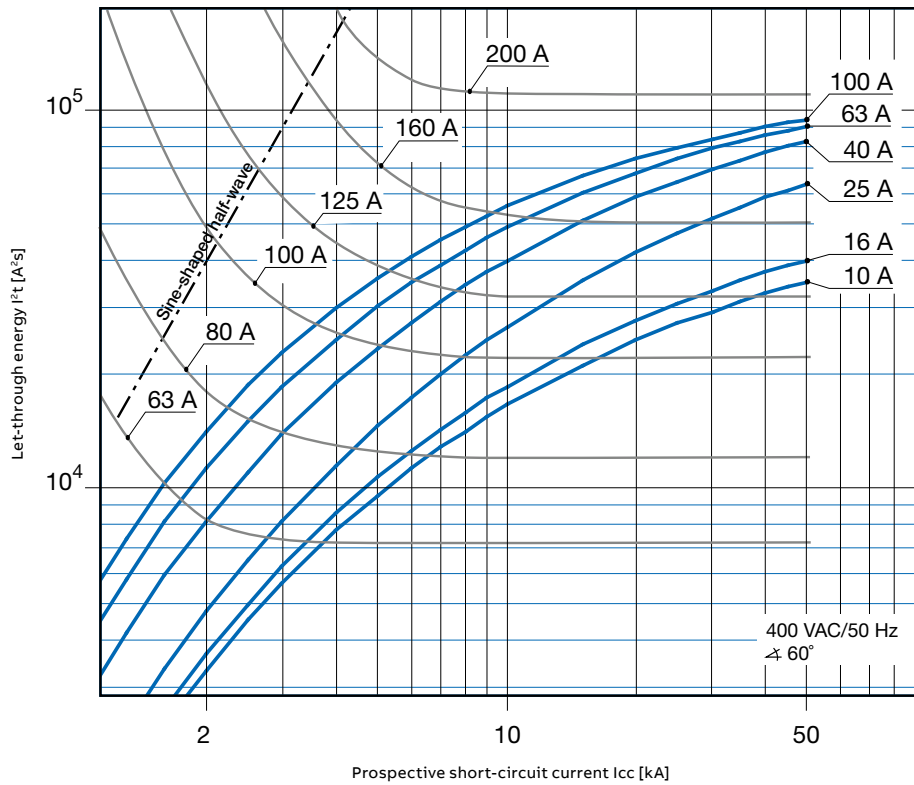
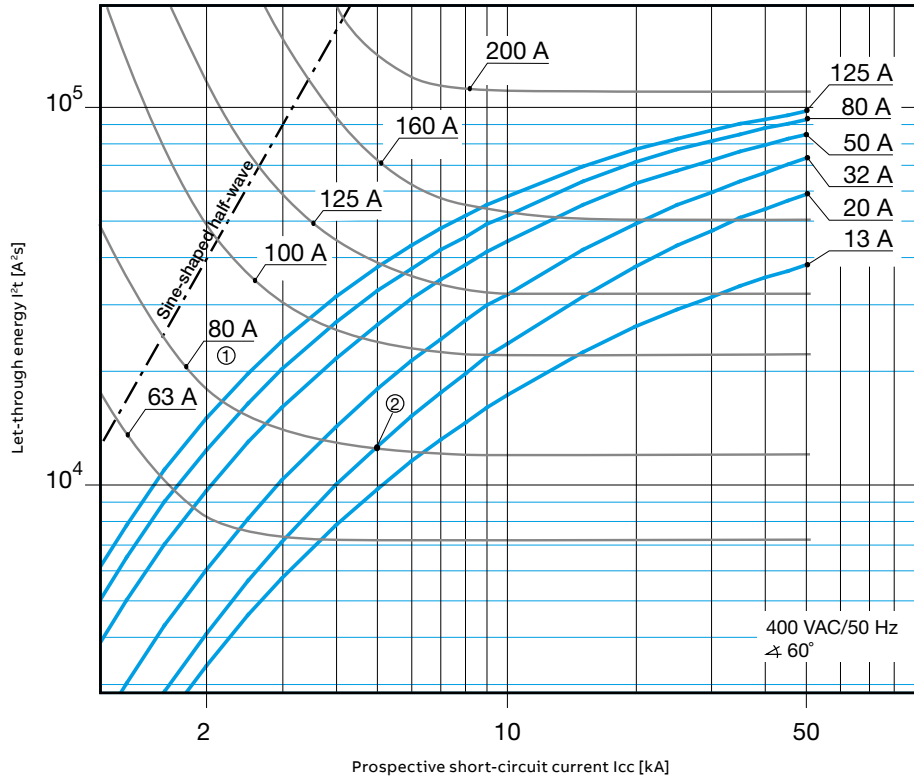


1) Min. pre-arcing I^2t , e.g. NH80 A gL/gG

2) Max. let-through I^2t , e.g. S801S-C20

S800 S characteristics B, C, D and K

400 V let-through energy



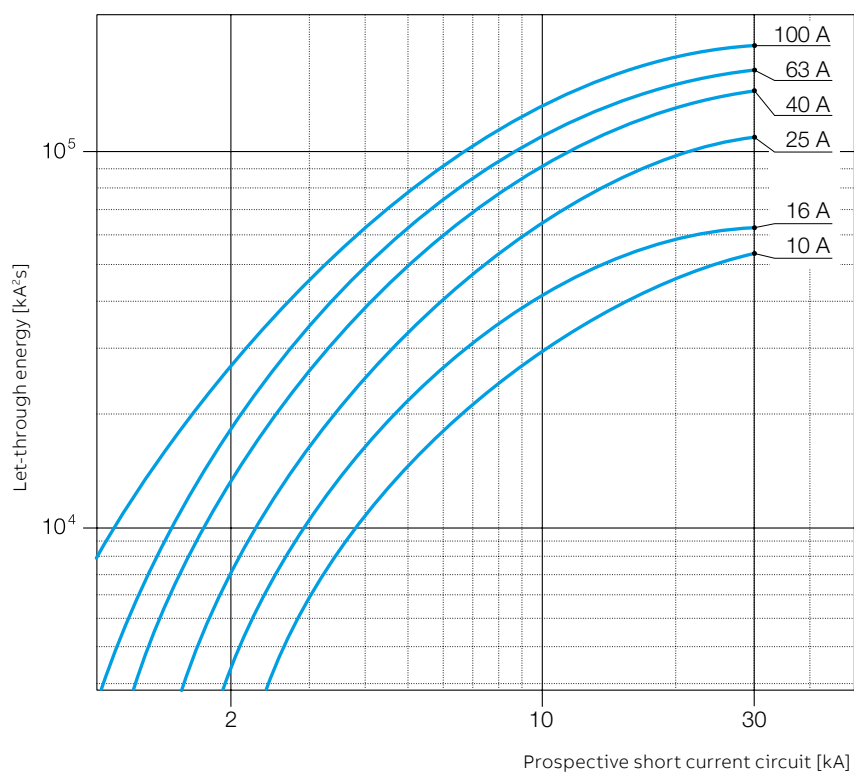
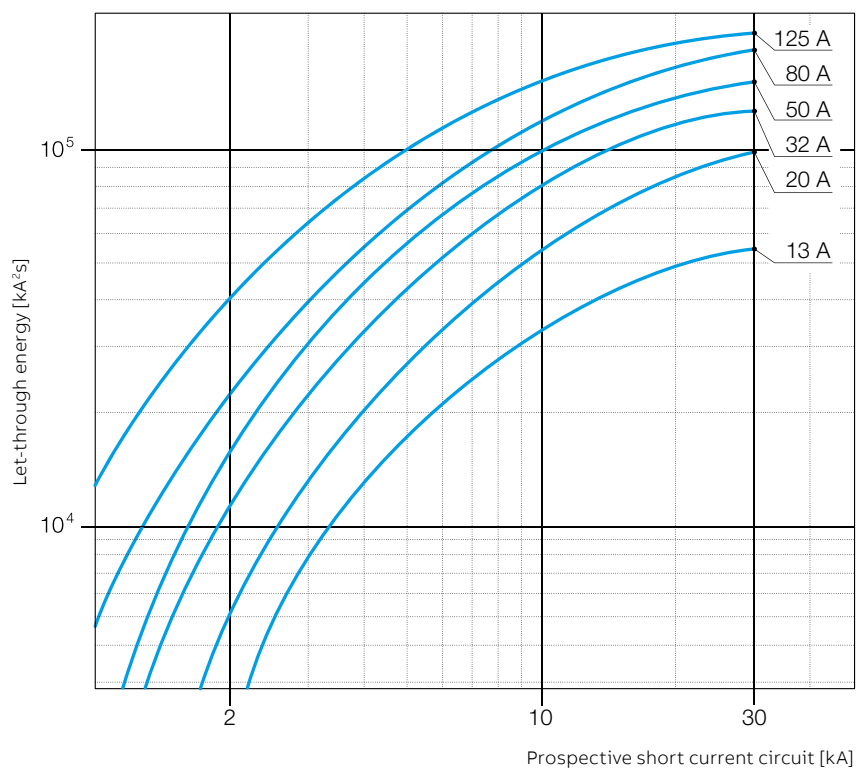
1) Min. pre-arcing I^2t , e.g. NH80 A gL/gG
2) Max. let-through I^2t , e.g. S801S-C20

MCBs technical details

Limitation of specific let-through energy I^2t

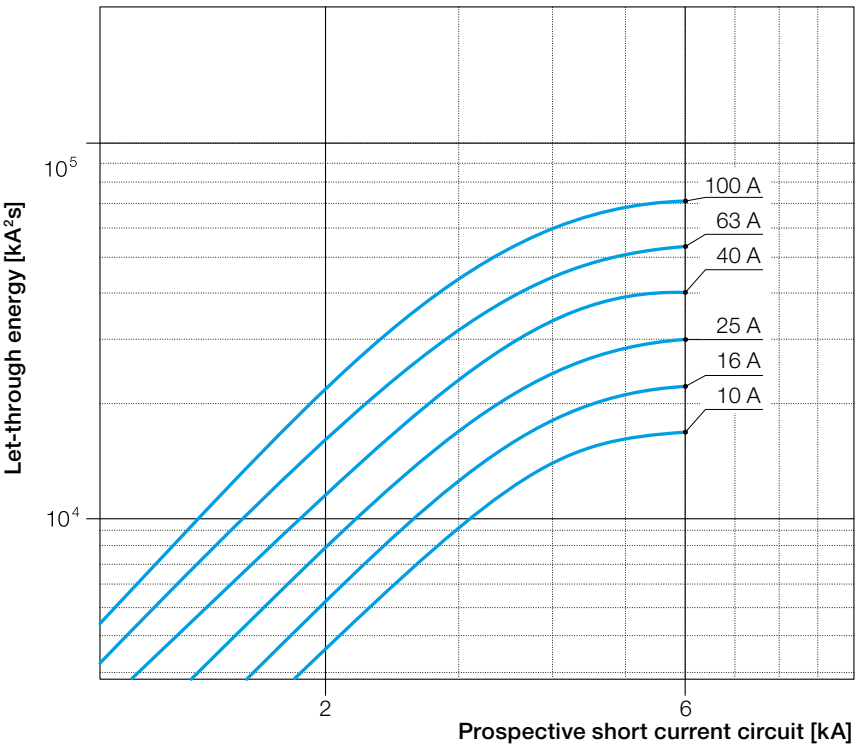
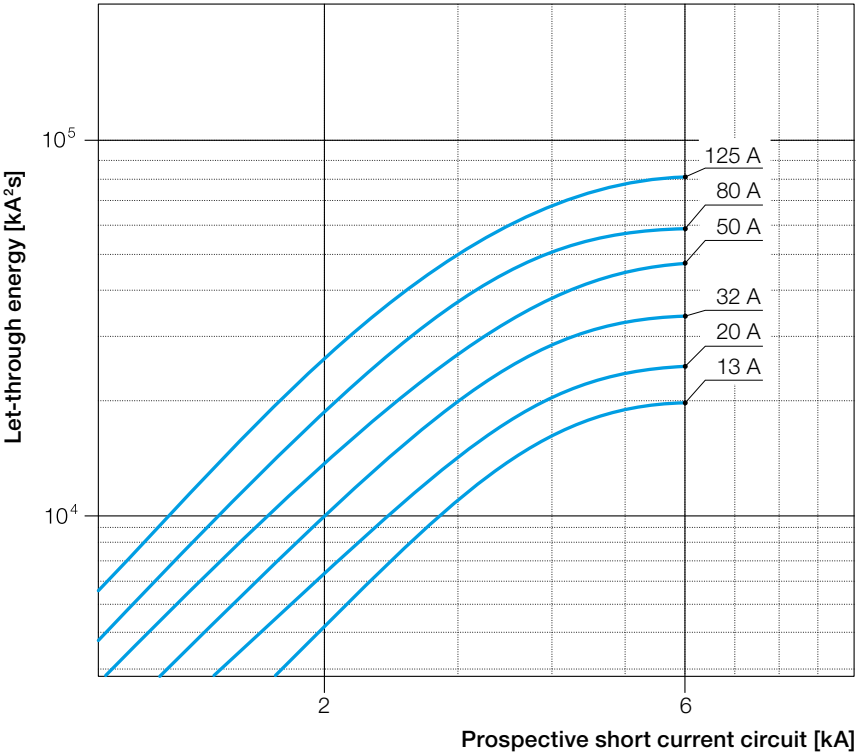
S800 S characteristics B, C, D and K

440 V let-through energy



S800 S characteristics B, C, D and K

690 V let-through energy

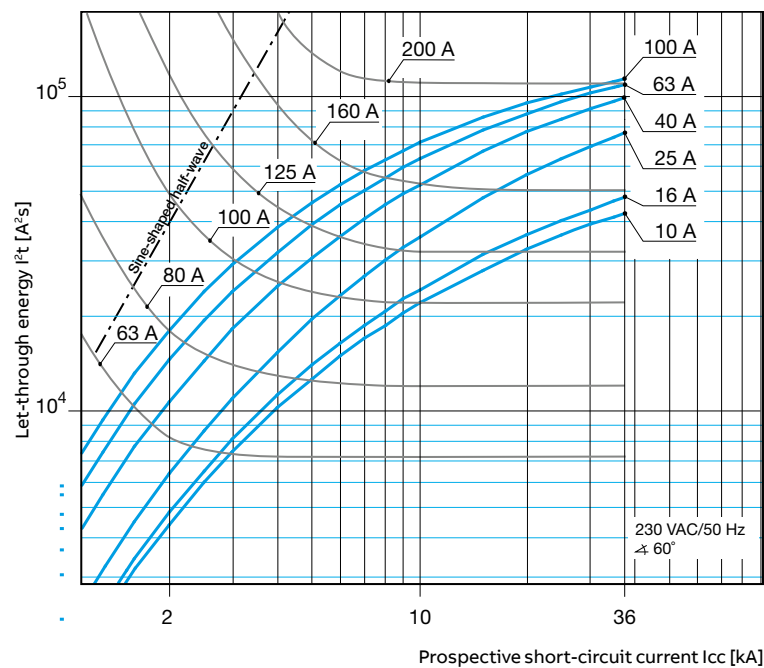
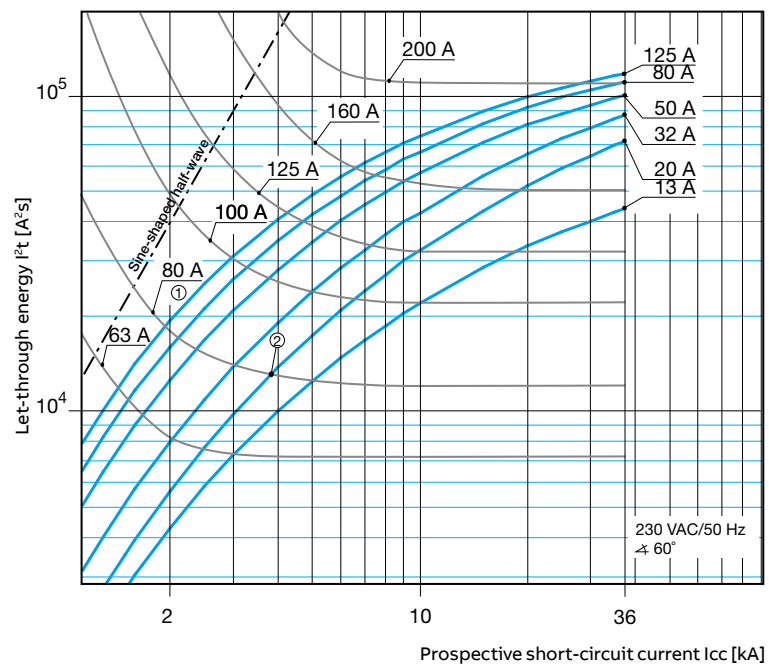


MCBs technical details

Limitation of specific let-through energy I^2t

S800 N characteristics B, C and D

230 V let-through energy



arching

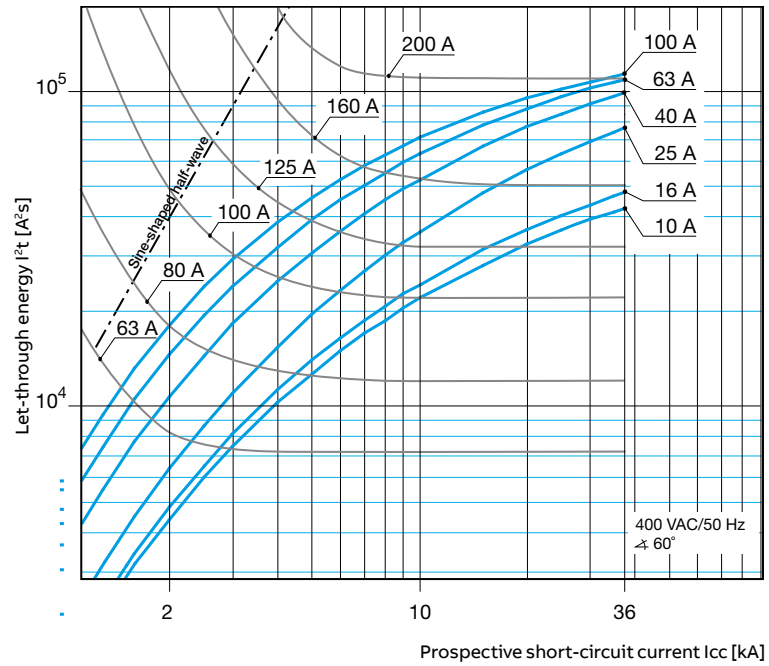
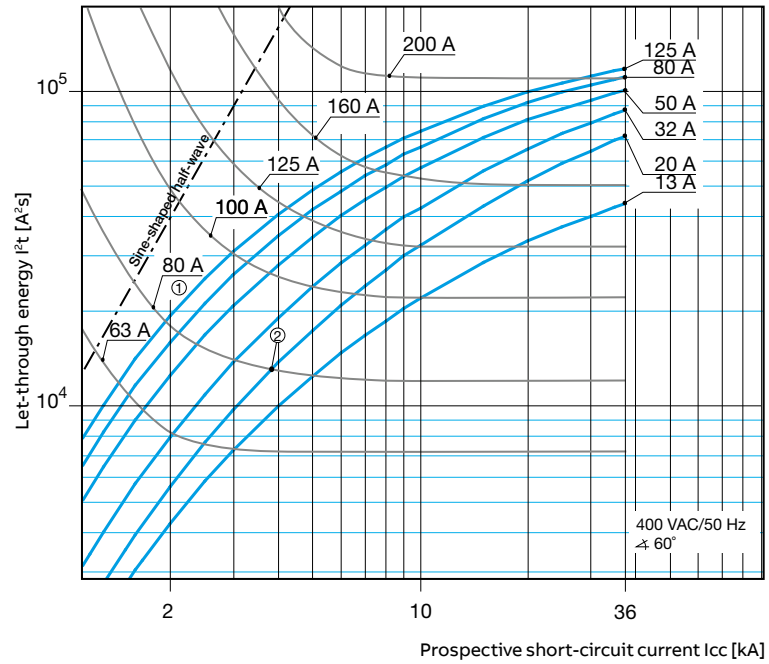
① Min. pre-arching I^2t , e.g. NH80 A gL/gG

② Max. let-through I^2t , e.g. S801N-C20

Selectivity with respect to the upstream fuse to the point of intersection of both curves 1 and 2, e.g. S801N-C20 to NH80A gL/gG: Selectivity up to min. 3.8 kA.

S800 N characteristics B, C and D

400 V let-through energy



① Min. pre-arching I^2t , e.g. NH80 A gL/gG

② Max. let-through I^2t , e.g. S803N-C20

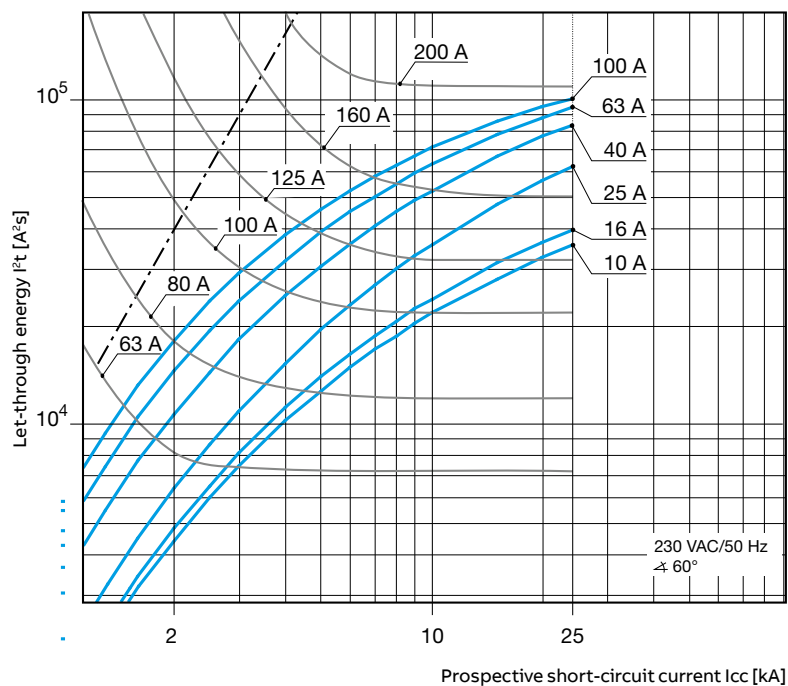
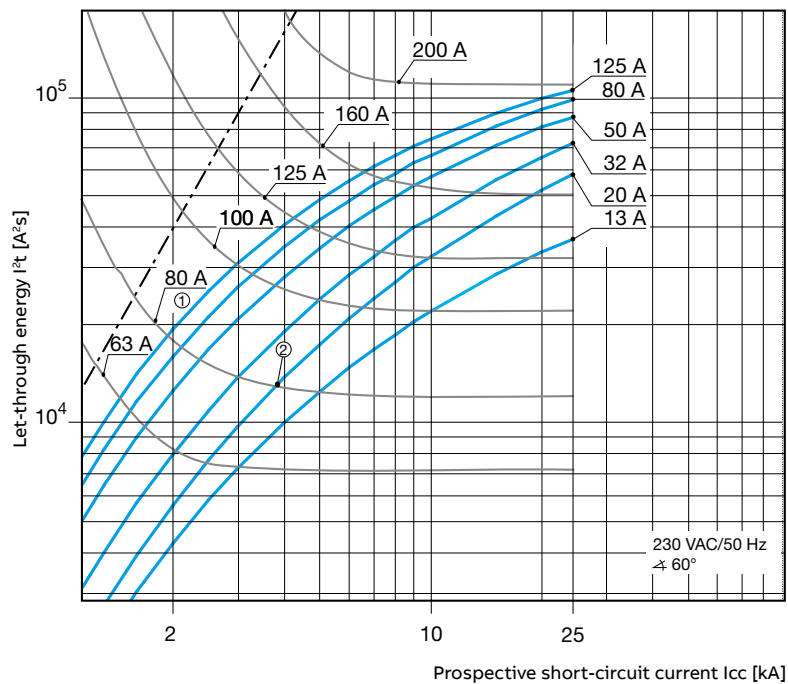
Selectivity with respect to the upstream fuse to the point of intersection of both curves 1 and 2, e.g. S801N-C20 to NH80A gL/gG: Selectivity up to min. 3.8 kA.

MCBs technical details

Limitation of specific let-through energy I^2t

S800 C characteristics B, C, D and K

230 V let-through energy



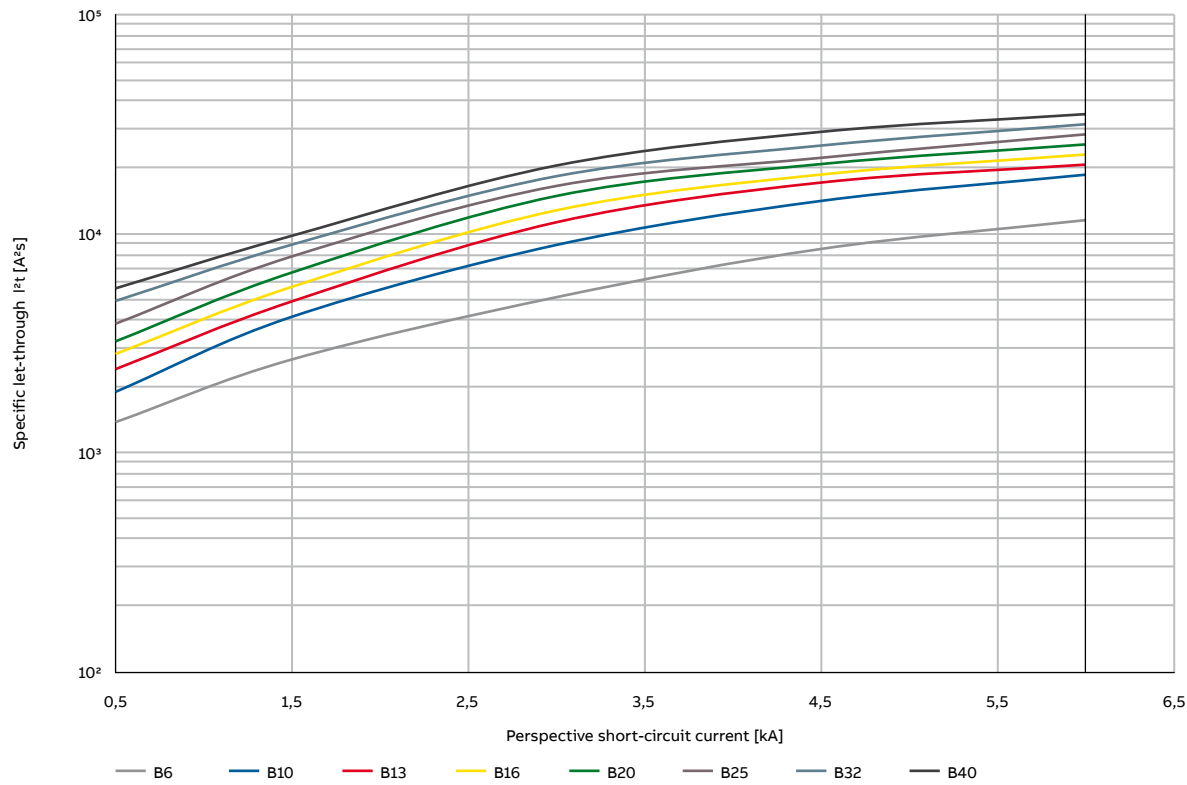
① Min. pre-arcing I^2t , e.g. NH80 A gL/gG

② Max. let-through I^2t , e.g. S801C-C20

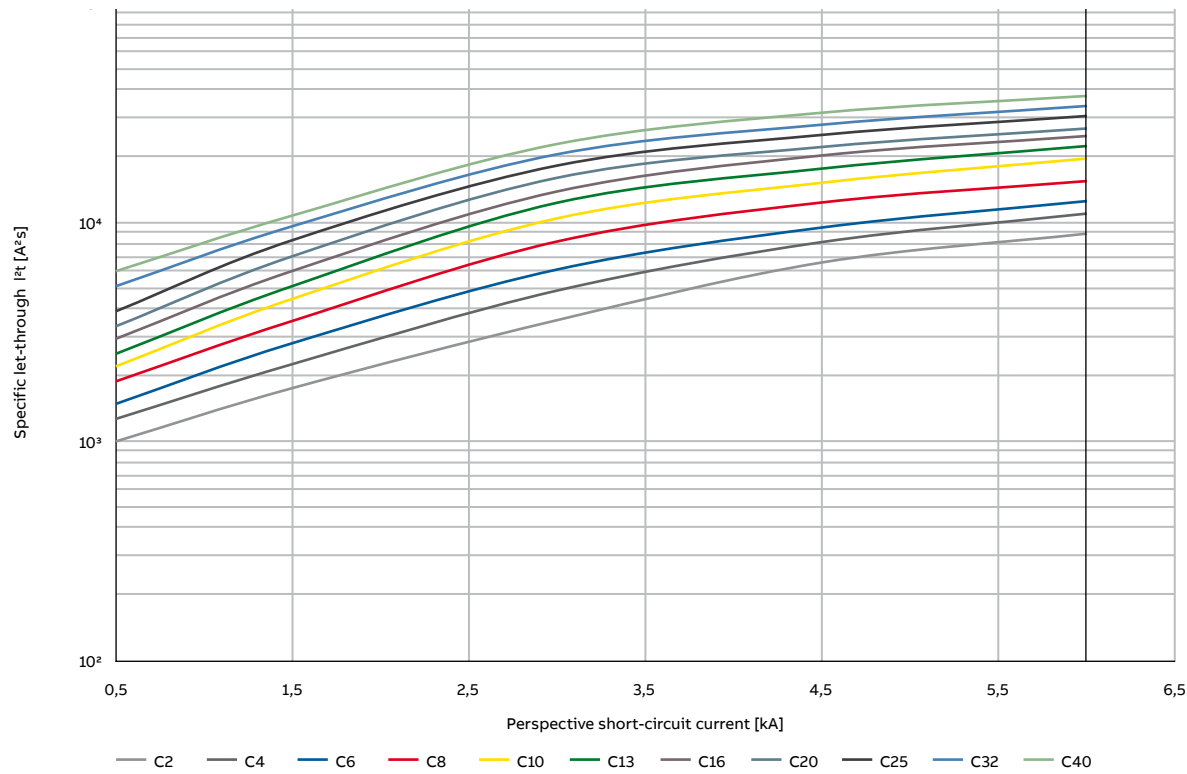
Selectivity with respect to the upstream fuse to the point of intersection of both curves 1 and 2, e.g. S801C-C20 to NH80A gL/gG: Selectivity up to min. 3.8 kA

RCBOs DS201 T

Specific let-through energy I^2t DS201 T - Characteristic B



Specific let-through energy I^2t DS201 T - Characteristic C

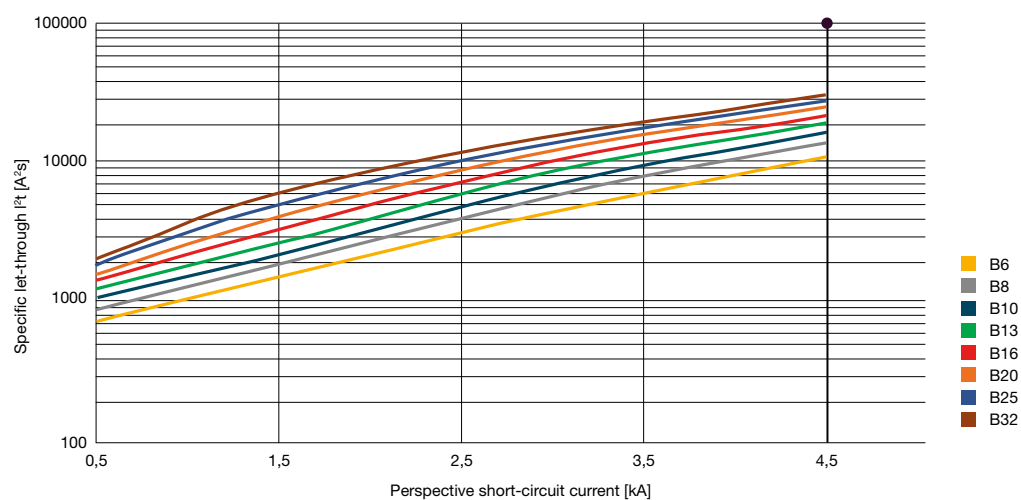


MCBs technical details

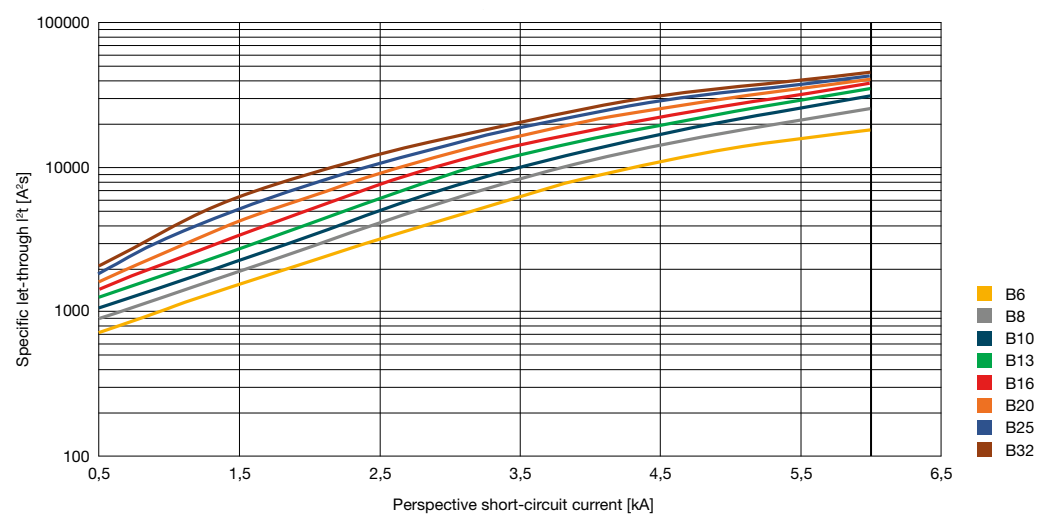
Limitation of specific let-through energy I^2t

The I^2t curves give the values of the specific let-through energy expressed in A^2s (A=amps; s=seconds) in relation to the perspective short-circuit current (I_{rms}) in kA.

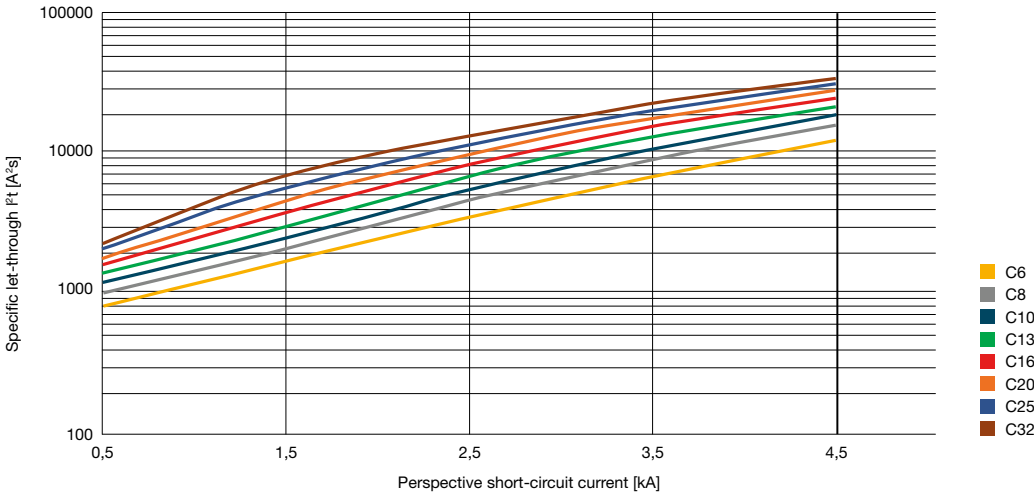
DS203NC L, characteristic B
400 V let-through energy



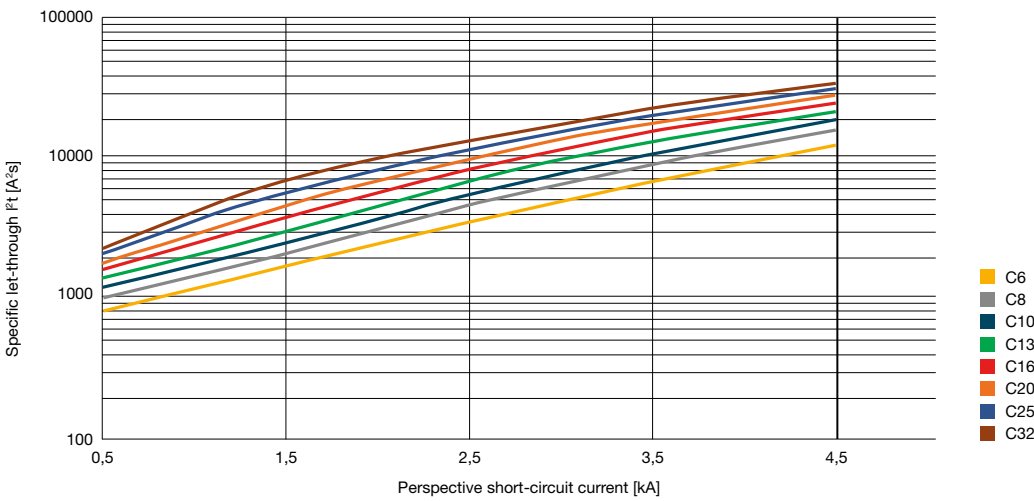
DS203NC, characteristic B
400 V let-through energy



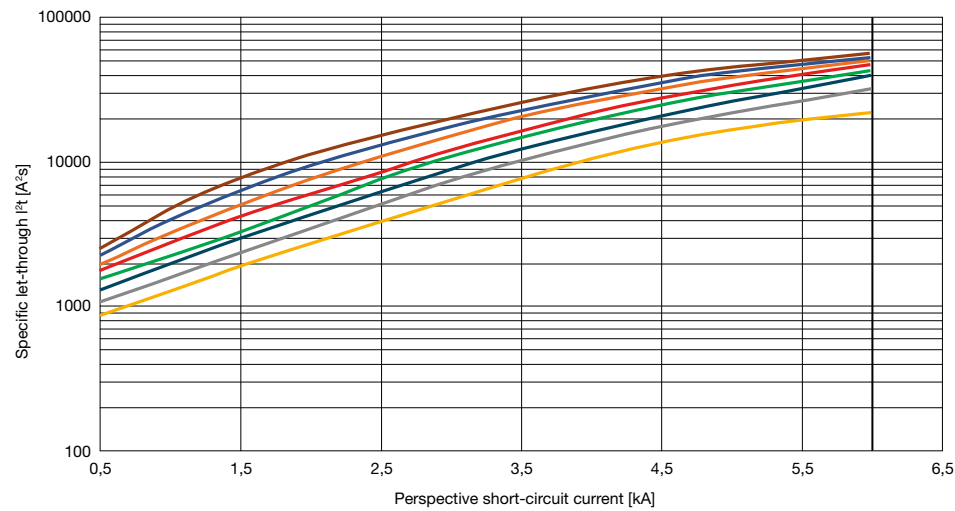
DS203NC L, characteristic C
400 V let-through energy



DS203NC L, characteristic C
400 V let-through energy



DS203NC, characteristic K
400 V let-through energy



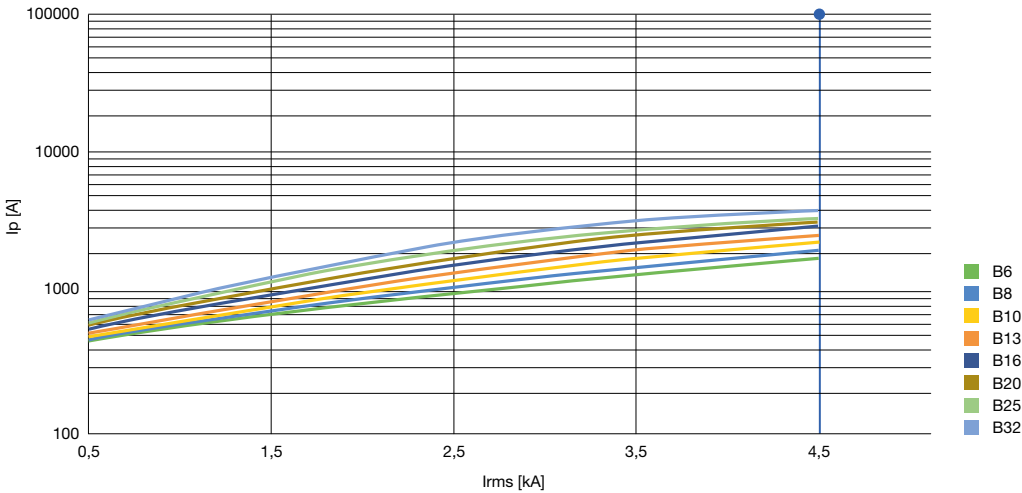


MCBs technical details

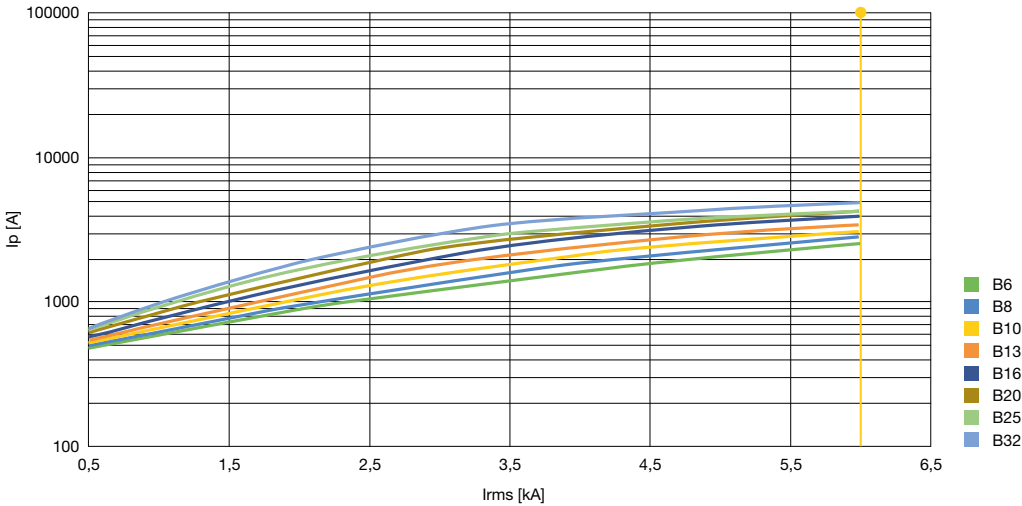
Peak current I_p

The I_p curves give the values of the peak current, expressed in kA, in relation to the perspective symmetrical short-circuit current (kA).

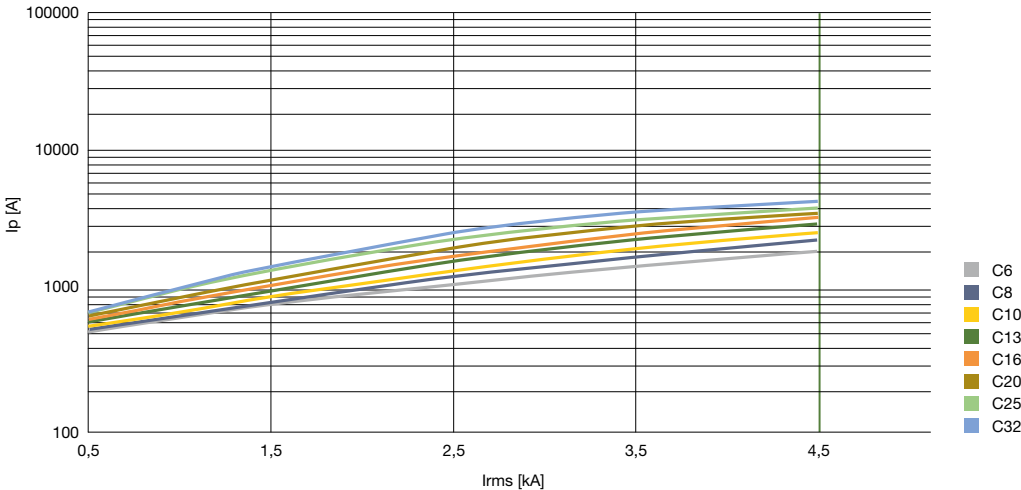
DS203NC L, characteristic B



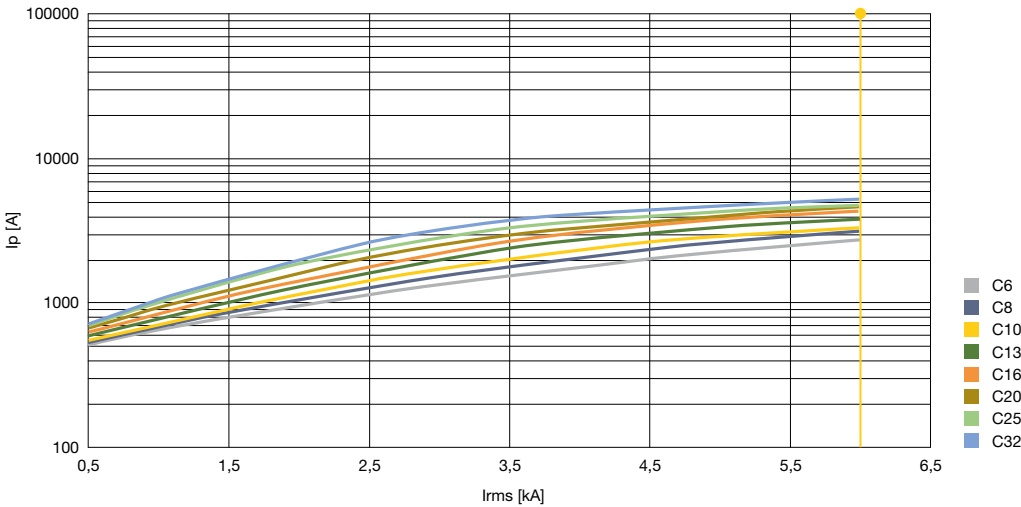
DS203NC, characteristic B



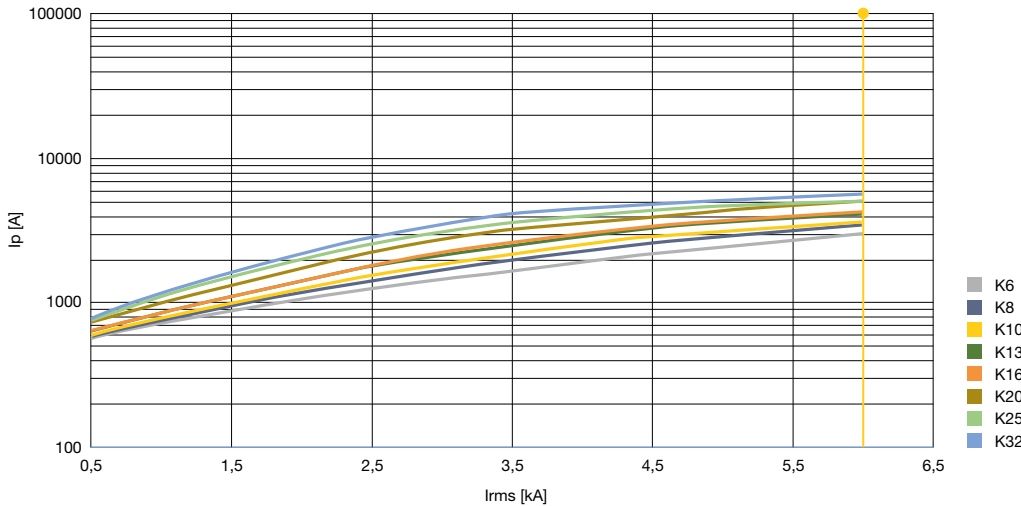
DS203NC L, characteristic C



DS203NC, characteristic C



DS203NC, characteristic K



MCBs technical details

Internal resistance and power loss

S 202 TC

Power loss

In (A)	2P (W)
2	2.2
4	2.7
6	3.0
10	3.3
13	3.8
15	3.9
16	4.2
20	5.0
25	6.2
32	7.6
40	8.9

S 200 MT

Internal resistance per pole in mΩ, power loss per pole in W

Rated current In A	Internal resistance	Power loss	Internal resistance	Power loss	Internal resistance	Power loss	Internal resistance	Power loss
	mΩ	W	mΩ	W	mΩ	W	mΩ	W
	B, C ¹⁾		D		K		Z	
0.5	5500	1.4	4300	1.1	4300	1.1	8100	2.4
1	1440	1.4	1250	1.25	1250	1.25	2100	2.3
1.6	630	1.6	600	1.5	600	1.5	1000	2.8
2	460	1.8	410	1.65	410	1.65	619	2.5
3	150	1.3	130	1.2	130	1.2	235	2.4
4	110	1.8	105	1.7	105	1.7	149	2.4
6	55	2.0	52	1.9	52	1.9	75	3.2
8	23	1.5	24	1.5	24	1.5	27	2.0
10	19	2.1	16	1.6	13.5	1.4	24	2.7
13	14	2.3	14	2.2	13.5	1.4	–	–
16	8.5	2.5	8.5	2.5	7.7	2.0	10.9	2.8
20	6.25	2.5	6.1	2.3	6.7	2.7	6.0	2.4
25	5.0	3.2	4.3	3.1	4.6	2.9	4.5	3.3
32	3.6	3.7	3.5	3.6	3.5	3.6	3.5	3.6
40	3.0	4.8	2.2	4.2	2.8	4.5	2.5	4.1
50	1.3	3.25	1.25	2.9	1.25	3.1	1.5	4.1
63	1.2	4.8	1.2	4.8	1.0	4.4	1.3	5.2

1) Current intensities 0.5 – 4 apply exclusively to C-type trip characteristics.

S 200 P

Internal resistance per pole in mΩ, power loss per pole in W

Rated current	Internal resistance		Power loss		Internal resistance		Power loss	
	mΩ		W		mΩ		W	
InA	B		K		Z			
0.3	–	–	–	20000	1.8	–	–	–
0.5	–	–	–	6340	1.6	10100	2.5	–
0.75	–	–	–	2500	1.4	–	–	–
1	–	–	–	1400	1.4	2270	2.3	–
1.6	–	–	–	625	1.6	1100	2.8	–
2	–	–	–	460	1.8	619	2.5	–
3	–	–	–	211	1.9	211	1.9	–
4	–	–	–	163	2.6	163	2.6	–
6	61	2.2	–	67	2.4	104	3.7	–
8	45	2.9	–	45	2.9	55	3.5	–
10	14	1.4	–	19	1.9	21	2.1	–
13	13.3	2.3	–	–	–	–	–	–
16	9.7	2.5	–	8.2	2.1	10.9	2.8	–
20	7.3	2.9	–	7.3	2.9	7.3	2.9	–
25	5.6	3.5	–	5.6	3.5	5.6	3.5	–
32	4.1	4.2	–	4.1	4.2	4.1	4.2	–
40	4.0	6.4	–	4.0	6.4	4.0	6.4	–
50	1.2	3.0	–	1.2	3.0	1.8	4.4	–
63	1.4	5.6	–	1.3	5.2	1.3	5.2	–

S 800 S

Typical internal resistances and power losses at 25 °C ambient temperature (per pole)

Rated current In	Internal resistance Ri			Power loss Pv		
	mΩ			W		
InA	B, C, D, K ¹⁾	KM ²⁾	UCB, UCK ²⁾	B, C, D, K	KM ²⁾	UCB, UCK ²⁾
6	51.7	–	–	1.8	–	–
8	27.2	–	–	1.7	–	–
10	15.2	–	15.2	1.5	–	1.5
13	12.1	–	12.1	2.0	–	2.0
16	12.1	–	12.1	3.1	–	3.1
20	8.7	2.7	8.7	3.5	1.1	3.5
25	6.8	3.0	6.8	4.3	1.9	4.3
32	3.1	1.7	3.1	3.2	1.7	3.2
40	2.3	1.6	2.3	3.7	2.6	3.7
50	1.7	1.1	1.7	4.3	2.8	4.3
63	1.6	1.0	1.6	6.4	4.0	6.4
80	1.0	0.75	1.0	6.4	5.0	6.4
100	0.8	–	0.8	8.0	–	8.0
125	0.6	–	0.6	9.4	–	9.4

1) K Applicable only for S800S-S800C

2) KM, UCB, UCK Applicable only for S800S

RCBOs DS201 T

Technical data

Influence of adjacent devices

Number of devices	1	3	5	7	9
Correction factor	1	0.9	0.85	0.81	0.8

Voltage Drop, power loss, internal resistance, own consumption

In (A)	Voltage drop (V)	Power loss (W)	Int. res. (mΩ)
6A	0.4	2.4	66.7
8A	0.2	1.9	29.7
10A	0.2	1.8	18.0
13A	0.2	2.5	15.0
16A	0.2	3.3	12.8
20A	0.2	3.6	9.0
25A	0.2	5.5	8.8
32A	0.2	6.4	6.3
40A	0.1	5.0	3.1

MCBs technical details

Performances at different ambient temperatures

Derating tables at different temperatures for S 200 MT/S 200 P and MCBs

The rated value of the current of a miniature circuit-breaker refers to a temperature of 20 °C for circuit-breakers with characteristics K and Z and 30 °C for characteristics B, C and D. The following tables contain the derating of load capability of S200 MT/S200 P MCBs with temperature from -40 °C to 70 °C for the curves B, C, D and K, Z.

S 200 MCBs (B, C and D characteristic)												
B, C and D	Ambient temperature T (°C)											
In (A)	- 40	- 30	- 20	- 10	0	10	20	30	40	50	60	70
0.5	0.67	0.65	0.62	0.60	0.58	0.55	0.53	0.50	0.47	0.44	0.41	0.37
1.0	1.33	1.29	1.25	1.20	1.15	1.11	1.05	1.00	0.94	0.88	0.82	0.75
1.6	2.13	2.07	2.00	1.92	1.85	1.77	1.69	1.60	1.51	1.41	1.31	1.19
2.0	2.67	2.58	2.49	2.40	2.31	2.21	2.11	2.00	1.89	1.76	1.63	1.49
3.0	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2
4.0	5.3	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.5	3.3	3.0
6.0	8.0	7.7	7.5	7.2	6.9	6.6	6.3	6.0	5.7	5.3	4.9	4.5
8.0	10.7	10.3	10.0	9.6	9.2	8.8	8.4	8.0	7.5	7.1	6.5	6.0
10.0	13.3	12.9	12.5	12.0	11.5	11.1	10.5	10.0	9.4	8.8	8.2	7.5
13.0	17.3	16.8	16.2	15.6	15.0	14.4	13.7	13.0	12.3	11.5	10.6	9.7
16.0	21.3	20.7	20.0	19.2	18.5	17.7	16.9	16.0	15.1	14.1	13.1	11.9
20.0	26.7	25.8	24.9	24.0	23.1	22.1	21.1	20.0	18.9	17.6	16.3	14.9
25.0	33.3	32.3	31.2	30.0	28.9	27.6	26.4	25.0	23.6	22.0	20.4	18.6
32.0	42.7	41.3	39.9	38.5	37.0	35.4	33.7	32.0	30.2	28.2	26.1	23.9
40.0	53.3	51.6	49.9	48.1	46.2	44.2	42.2	40.0	37.7	35.3	32.7	29.8
50.0	66.7	64.5	62.4	60.1	57.7	55.3	52.7	50.0	47.1	44.1	40.8	37.3
63.0	84.0	81.3	78.6	75.7	72.7	69.6	66.4	63.0	59.4	55.6	51.4	47.0
80.0	112.6	107.2	102.1	97.2	92.6	88.2	84.0	80.0	76.0	72.2	68.6	65.2
100.0	140.7	134.0	127.6	121.6	115.8	110.3	105.0	100.0	95.0	90.3	85.7	81.5
125.0	175.9	167.5	159.5	151.9	144.7	137.8	131.3	125.0	118.8	112.8	107.2	101.8

S 200 MCBs series (K and Z characteristic)												
K and Z	Ambient temperature T (°C)											
In (A)	- 40	- 30	- 20	- 10	0	10	20	30	40	50	60	70
0.5	0.66	0.64	0.61	0.59	0.56	0.53	0.50	0.47	0.43	0.40	0.35	0.31
1.0	1.32	1.27	1.22	1.17	1.12	1.06	1.00	0.94	0.87	0.79	0.71	0.61
1.6	2.12	2.04	1.96	1.88	1.79	1.70	1.60	1.50	1.39	1.26	1.13	0.98
2.0	2.65	2.55	2.45	2.35	2.24	2.12	2.00	1.87	1.73	1.58	1.41	1.22
3.0	4.0	3.8	3.7	3.5	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.8
4.0	5.3	5.1	4.9	4.7	4.5	4.2	4.0	3.7	3.5	3.2	2.8	2.4
6.0	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2	4.7	4.2	3.7
8.0	10.8	10.2	9.8	9.4	8.9	8.5	8.0	7.5	6.9	6.3	5.7	4.9
10.0	13.2	12.7	12.2	11.7	11.2	10.6	10.0	9.4	8.7	7.9	7.1	6.1
13.0	17.2	16.6	15.9	15.2	14.5	13.8	13.0	12.2	11.3	10.3	9.2	8.0
16.0	21.2	20.4	19.6	18.8	17.9	17.0	16.0	15.0	13.9	12.6	11.3	9.8
20.0	26.5	25.5	24.5	23.5	22.4	21.2	20.0	18.7	17.3	15.8	14.1	12.2
25.0	33.1	31.9	30.6	29.3	28.0	26.5	25.0	23.4	21.7	19.8	17.7	15.3
32.0	42.3	40.8	39.2	37.5	35.8	33.9	32.0	29.9	27.7	25.3	22.6	19.6
40.0	52.9	51.0	49.0	46.9	44.7	42.4	40.0	37.4	34.6	31.6	28.3	24.5
50.0	66.1	63.7	61.2	58.6	55.9	53.0	50.0	46.8	43.3	39.5	35.4	30.6
63.0	83.3	80.3	77.2	73.9	70.4	66.8	63.0	58.9	54.6	49.8	44.5	38.6

MCBs technical details

Derating

Derating table at different temperatures for S 800 S MCBs:

The rated value of the current of the S 800 S refers to a calibration temperature of 30 °C for characteristics B, C while, for characteristics K and UCK, it refers to 40 °C.

S 800 S (B, C and UCB characteristic)

B, C, Ambient temperature (°C)																					
UCB																					
In [A]	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
6	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0
8	9.6	9.5	9.3	9.2	9.0	8.9	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.7
10	12.0	11.8	11.7	11.5	11.3	11.1	10.9	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.3
13	15.6	15.4	15.1	14.9	14.7	14.4	14.2	14.0	13.7	13.5	13.2	13.0	12.8	12.5	12.3	12.0	11.8	11.6	11.3	11.1	10.9
16	19.2	18.9	18.6	18.3	18.1	17.8	17.5	17.2	16.9	16.6	16.3	16.0	15.7	15.4	15.1	14.8	14.5	14.2	13.9	13.7	13.4
20	24.0	23.7	23.3	22.9	22.6	22.2	21.8	21.5	21.1	20.7	20.4	20.0	19.6	19.3	18.9	18.5	18.2	17.8	17.4	17.1	16.7
25	30.0	29.6	29.1	28.7	28.2	27.8	27.3	26.8	26.4	25.9	25.5	25.0	24.5	24.1	23.6	23.2	22.7	22.2	21.8	21.3	20.9
32	38.5	37.9	37.3	36.7	36.1	35.5	34.9	34.3	33.8	33.2	32.6	32.0	31.4	30.8	30.2	29.7	29.1	28.5	27.9	27.3	26.7
40	48.1	47.3	46.6	45.9	45.1	44.4	43.7	42.9	42.2	41.5	40.7	40.0	39.3	38.5	37.8	37.1	36.3	35.6	34.9	34.1	33.4
50	60.1	59.2	58.3	57.3	56.4	55.5	54.6	53.7	52.8	51.8	50.9	50.0	49.1	48.2	47.2	46.3	45.4	44.5	43.6	42.7	41.7
63	75.7	74.6	73.4	72.2	71.1	69.9	68.8	67.6	66.5	65.3	64.2	63.0	61.8	60.7	59.5	58.4	57.2	56.1	54.9	53.8	52.6
80	96.1	94.7	93.2	91.7	90.3	88.8	87.3	85.9	84.4	82.9	81.5	80.0	78.5	77.1	75.6	74.1	72.7	71.2	69.7	68.3	66.8
100	120.2	118.4	116.5	114.7	112.8	111.0	109.2	107.3	105.5	103.7	101.8	100.0	98.2	96.3	94.5	92.7	90.8	89.0	87.2	85.3	83.5
125	150.2	147.9	145.6	143.4	141.1	138.8	136.5	134.2	131.9	129.6	127.3	125.0	122.7	120.4	118.1	115.8	113.5	111.2	108.9	106.7	104.4

S 800 S (K and UCK characteristic)

K, UCK	Ambient temperature [°C]																				
In [A]	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
10	12.4	12.2	12.0	11.8	11.7	11.5	11.3	11.1	10.9	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.3	9.1	8.9	8.7
13	16.1	15.9	15.6	15.4	15.1	14.9	14.7	14.4	14.2	14.0	13.7	13.5	13.2	13.0	12.8	12.5	12.3	12.0	11.8	11.6	11.3
16	19.8	19.5	19.2	18.9	18.6	18.3	18.1	17.8	17.5	17.2	16.9	16.6	16.3	16.0	15.7	15.4	15.1	14.8	14.5	14.2	13.9
20	24.8	24.4	24.0	23.7	23.3	22.9	22.6	22.2	21.8	21.5	21.1	20.7	20.4	20.0	19.6	19.3	18.9	18.5	18.2	17.8	17.4
25	31.0	30.5	30.0	29.6	29.1	28.7	28.2	27.8	27.3	26.8	26.4	25.9	25.5	25.0	24.5	24.1	23.6	23.2	22.7	22.2	21.8
32	39.6	39.0	38.5	37.9	37.3	36.7	36.1	35.5	34.9	34.3	33.8	33.2	32.6	32.0	31.4	30.8	30.2	29.7	29.1	28.5	27.9
40	49.5	48.8	48.1	47.3	46.6	45.9	45.1	44.4	43.7	42.9	42.2	41.5	40.7	40.0	39.3	38.5	37.8	37.1	36.3	35.6	34.9
50	61.9	61.0	60.1	59.2	58.3	57.3	56.4	55.5	54.6	53.7	52.8	51.8	50.9	50.0	49.1	48.2	47.2	46.3	45.4	44.5	43.6
63	78.0	76.9	75.7	74.6	73.4	72.2	71.1	69.9	68.8	67.6	66.5	65.3	64.2	63.0	61.8	60.7	59.5	58.4	57.2	56.1	54.9
80	99.1	97.6	96.1	94.7	93.2	91.7	90.3	88.8	87.3	85.9	84.4	82.9	81.5	80.0	78.5	77.1	75.6	74.1	72.7	71.2	69.7
100	123.9	122.0	120.2	118.4	116.5	114.7	112.8	111.0	109.2	107.3	105.5	103.7	101.8	100.0	98.2	96.3	94.5	92.7	90.8	89.0	87.2
125	154.8	152.5	150.2	147.9	145.6	143.4	141.1	138.8	136.5	134.2	131.9	129.6	127.3	125.0	122.7	120.4	118.1	115.8	113.5	111.2	108.9

RCBOs DS201 T

Technical data

Performance in altitude

Elevation [m]	2000	3000	4000	5000	6000
Rated Current [A]	1 x In	0.96 x In	0.94 x In	0.92 x In	0.90 x In
Rated Voltage [V]	1 x Un	0.877 x Un	0.775 x Un	0.676 x Un	0.588 x Un

Derating in temperature

Max operating current depending on the ambient temperature (daily average ≤ +35 °C) of characteristics type B and C.

In (A)	Temperature (°C)												
	-25	-20	-10	0	10	20	30	40	50	55	60	65	70
6A	8.7	8.4	7.7	7.3	7.0	6.4	6.0	5.5	5.3	5.1	4.9	4.7	4.6
8A	10.8	10.3	9.5	9.0	8.7	8.3	8.0	7.4	7.1	7.0	6.8	6.6	6.5
10A	13.5	13.0	12.1	11.5	11.0	10.6	10.0	9.4	9.0	8.8	8.6	8.4	8.3
13A	16.0	15.6	14.9	14.5	14.0	13.4	13.0	12.4	11.7	11.4	11.2	11.0	10.8
16A	18.9	18.6	18.1	17.5	17.0	16.4	16.0	15.3	14.8	14.5	14.3	14.1	14.0
20A	24.0	23.5	22.7	22.0	21.4	20.7	20.0	19.1	18.5	18.3	18.0	17.8	17.7
25A	27.9	27.5	27.1	26.6	26.0	25.3	25.0	24.3	23.6	23.4	23.2	23.0	22.8
32A	36.8	36.2	35.4	34.8	34.0	32.9	32.0	31.3	30.5	30.0	29.7	29.5	29.4
40A	44.8	44.6	44.0	43.2	42.1	41.0	40.0	39.0	38.1	37.9	37.6	37.4	37.2

Max operating current depending on the ambient temperature (daily average ≤ +35 °C) of characteristics type K.

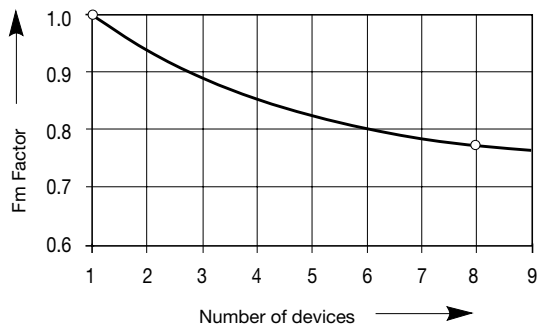
In (A)	Temperature (°C)												
	-25	-20	-10	0	10	20	30	40	50	55	60	65	70
6A	8.0	7.7	7.4	7.0	6.5	6.0	5.4	5.3	5.2	4.8	4.7	4.6	4.5
8A	10.0	9.5	9.0	8.7	8.2	8.0	7.4	7.1	7.0	6.7	6.6	6.5	6.4
10A	12.6	12.1	11.5	11.0	10.5	10.0	9.4	9.1	8.9	8.8	8.6	8.4	8.3
13A	15.4	14.9	14.4	14.1	13.4	13.0	12.5	11.8	11.4	11.2	11.0	10.8	10.7
16A	18.7	18.2	17.5	17.0	16.4	16.0	15.4	14.7	14.6	14.3	14.2	14.0	13.9
20A	23.1	22.7	22.1	21.3	20.7	20.0	19.1	18.5	18.2	18.1	17.9	17.8	17.7
25A	27.4	27.1	26.5	26.0	25.4	25.0	24.3	23.6	23.4	23.2	23.0	22.8	22.6
32A	36.1	35.4	34.9	34.0	32.8	32.0	31.2	30.5	29.9	29.7	29.5	29.4	29.3
40A	44.4	43.9	43.2	42.1	40.9	40.0	39.0	38.2	37.7	37.4	37.2	37.0	36.8

MCBs technical details

Influence of adjacent devices

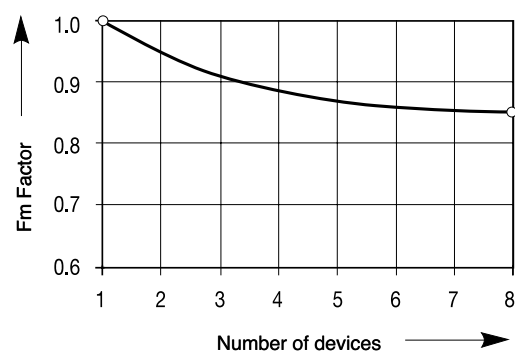
Multiply the rated current (equivalent) referring to the new temperature by another factor only in case of presence of several devices installed alongside each other; see table.

Influence of adjacent devices S200, DS200, DDA200+S200



Influence of adjacent devices Correction factor Fm	
No. of adjacent devices	Fm
1	1
2	0.95
3	0.9
4	0.86
5	0.82
6	0.795
7	0.78
8	0.77
9	0.76
>9	0.76

Influence of adjacent devices DS201 T



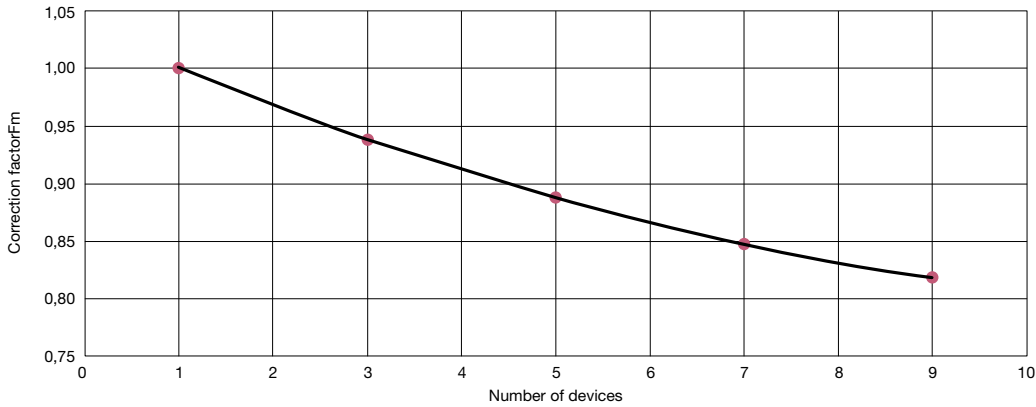
Influence of adjacent devices Correction factor Fm	
No. of adjacent devices	Fm
1	1.00
2	0.95
3	0.91
4	0.88
5	0.87
6	0.86
7	0.85
> 7	0.85

MCBs technical details

Influence of adjacent devices, derating in temperature, power loss and performance in altitude

Influence of adjacent devices

n. of devices	Correction factor
1	1.00
2	0.97
3	0.94
4	0.91
5	0.89
6	0.87
7	0.85
8	0.83
9	0.82
>9	0.82



Derating in temperature

Max operating current depending on the ambient temperature of a circuit breaker in load circuit of characteristics type B, C, K.

In	Temperature (°C)								
	-25	-20	-10	0	10	20	30	40	55
6 A	7.29	7.16	6.91	6.65	6.41	6.17	6.00	5.90	5.75
8 A	9.71	9.54	9.20	8.85	8.55	8.24	8.00	7.83	7.57
10 A	12.13	11.92	11.49	11.06	10.68	10.31	10.00	9.76	9.39
13 A	15.77	15.49	14.93	14.37	13.89	13.41	13.00	12.65	12.12
16 A	19.40	19.06	18.37	17.68	17.10	16.52	16.00	15.54	14.85
20 A	23.66	23.32	22.63	21.94	21.26	20.57	20.00	19.53	18.84
25 A	29.00	28.65	27.96	27.27	26.46	25.65	25.00	24.53	23.83
32 A	38.67	38.13	37.04	35.96	34.48	33.00	32.00	31.47	30.67

Power loss and internal resistance

In	Power loss [W]	Internal resistance [mΩ]
6 A	7.5	207.3
8 A	4.2	66.4
10 A	5.6	55.9
13 A	7.2	42.5
16 A	10.0	39.3
20 A	11.8	29.5
25 A	10.3	16.4
32 A	15.1	14.8

Performance in attitude

Elevation	Rated Current	Rated Voltage
[m]	[A]	[V]
3000	0.96 x In	0.877 x Un
4000	0.94 x In	0.775 x Un
5000	0.92 x In	0.676 x Un
6000	0.90 x In	0.588 x Un



Notes

Notes section containing 30 horizontal dotted lines for writing.



DIN-Rail components for rolling stock applications

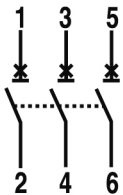
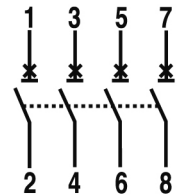
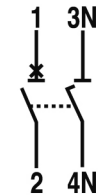
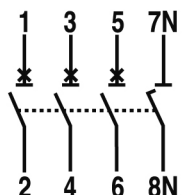
Wiring diagrams and overall dimensions

Wiring diagrams	
MCBs	6/2
RCBOs	6/2
Auxiliary elements	6/3
Overall dimensions	
MCBs	6/4

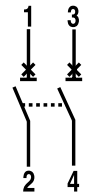
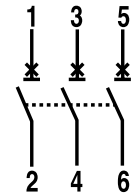
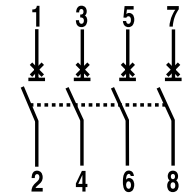
Wiring diagrams and overall dimensions

Wiring diagrams

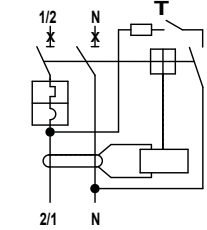
S 200 MCBs series

S 201	S 202	S 203	S 204	S 201 Na	S 203 Na
					

S 800 S and S 800 S UC

S 801 S/S 801 UC	S 802 S/S 802 UC	S 803 S/S 803 UC	S 804 S/S 804 UC
			

DS 201 T

DS 201 T


Auxiliary and signal contacts

S2C-S/H6R	S2C-H6R	S2C-H6-11R	S2C-H6-20R
S2C-H6-02R			

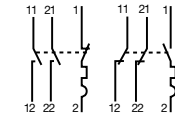


ABB has a full product range of auxiliary contacts completed by the S2C-S/H6R universal contacts. An auxiliary contact indicates the position of the MCB. A signal contact indicates the MCB position plus the fault event, i.e., overload or short-circuit.

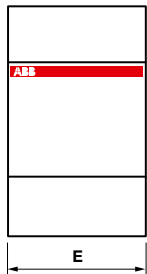
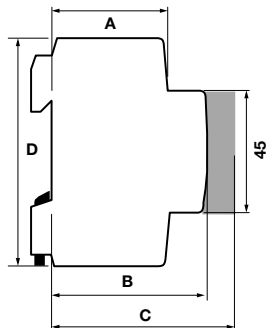
S 800-AUX	S 800-AUX/ALT

Auxiliary and signal contacts

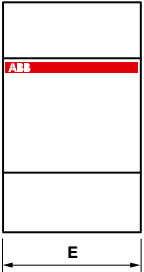
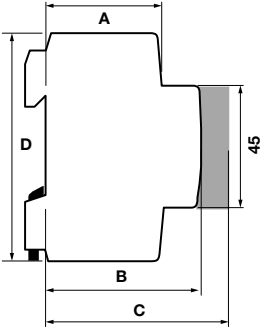
S2C-H01	S2C-H10

Quick product references

Overall dimensions



Product (with modular profile)	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Modules
Miniature circuit breakers						
S 201 MT	44	-	69	88	17.5	1
S 201 MT Na					35	2
S 202 MT					35	2
S 203 MT					52.5	3
S 203 MT Na					70	4
S 204 MT					70	4
S 201 MT UC	44	-	69	88	17.5	1
S 202 MT UC					35	2
S 203 MT UC					52.5	3
S 204 MT UC					70	4
S 201 M UC	44	-	69	88	17.5	1
S 202 M UC					35	2
S 203 M UC					52.5	3
S 204 M UC					70	4
S 201 P	44	-	69	88	17.5	1
S 201 P Na					35	2
S 202 P					35	2
S 203 P					52.5	3
S 203 P Na					70	4
S 204 P					70	4
S 202 TC	43.8	-	69	86	17.8	1
S 801 S	46	76,5	82,5	95	26,5	1
S 802 S					53	2
S 803 S					79,5	3
S 804 S					106	4
S 801 S UC	46	76,5	82,5	95	26,5	1
S 802 S UC					53	2
S 803 S UC					79,5	3
S 804 S UC					106	4
DS 201 T	43	58	69	85	35	2

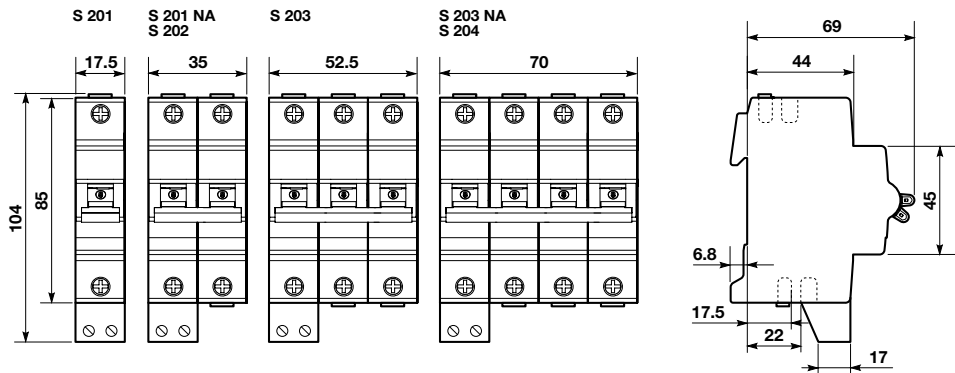


Product (with modular profile)	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Modules
S2C-S/H6R	44	-	69	85	8,8	8,8
S2C-H6R						
S2C-H6-xxR	44	-	69	85	8,8	8,8
S2C-H ...	See drawings					
S 800-AUX	See drawings					
S 800-AUX/ALT	See drawings					
S 500-H ...	See drawings					
S 500-S ...	See drawings					
S2C-Ax	44	-	69	85	17,5	1
S 800-SOR	See drawings					
S2C-CMx	See drawings					
S 800-UVR	See drawings					
S 800-RSU-H	See drawings					
S 803 S-SCL	See drawings					

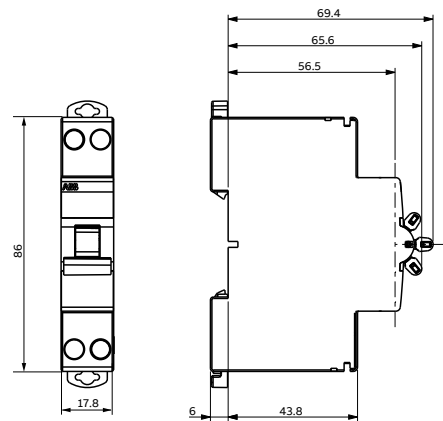
Quick product references

Overall dimensions

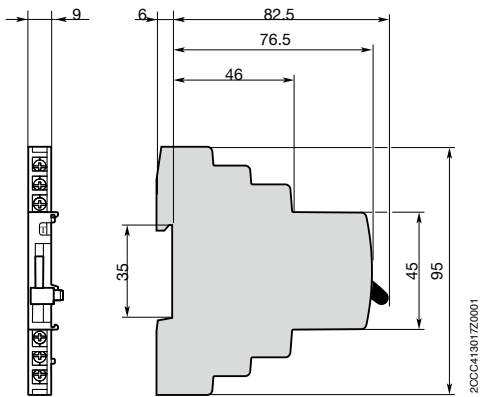
S 200 with bottom-fitting auxiliary contact



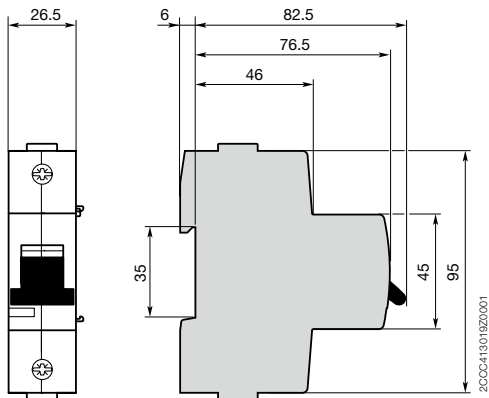
S201C and S202C



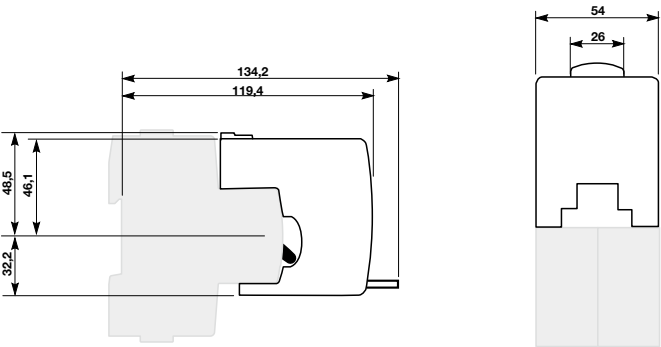
S 800-AUX, S 800-AUX/ALT



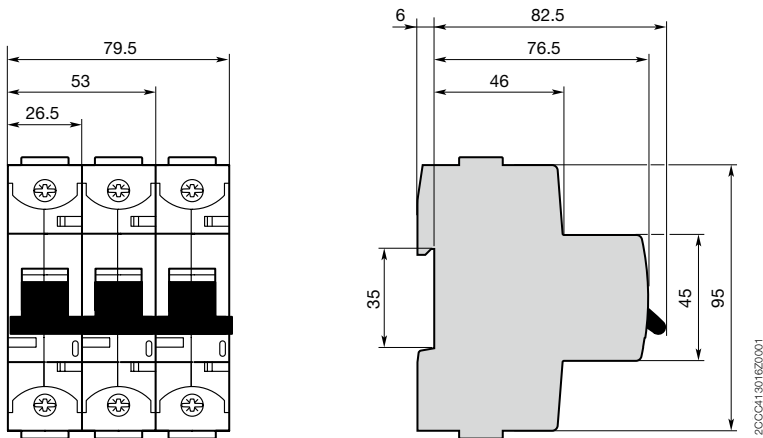
S 800-SOR Shunt trip and S 800-UVR Undervoltage release



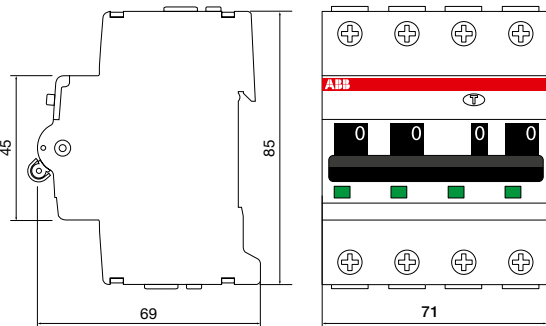
S 800-RSU-H Remote Switch unit



S 803 S-SCL Short circuit limiter



RCBO DS203NC

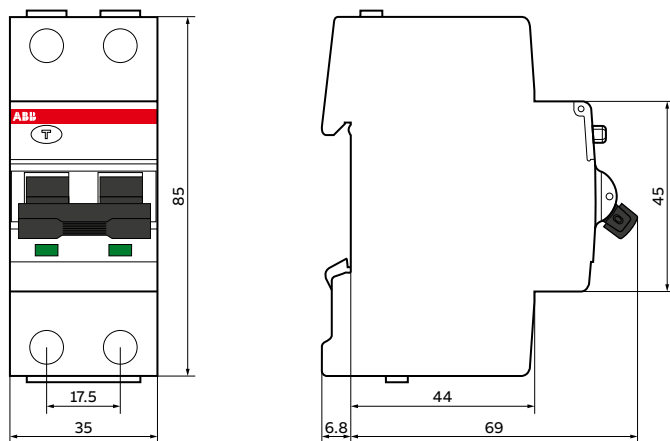


RCBOs DS201 T

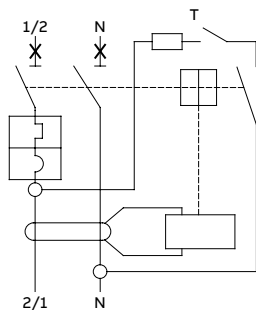
Dimensions and connections

Overall dimensions DS201 T

All measurements in mm



Main connection



Notes

[illegible]



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