



S200 MTR. Endurance and safety for rolling stock applications

S200 MTR - Miniature Circuit Breaker range dedicated for the IEC traction market



- Ring tongue connection
- Components in compliance with fire & smoke standard EN 45545-2 and Vibration & Shock standards EN 50155 and IEC/EN 61373.
- Compliant with the Trenitalia Specification N ° 371441.01 concerning to MCBs for installation on rolling stock.
- Wide range of compatible accessories
- Available for AC and DC

Rail is being rediscovered as a sustainable and energy-efficient form of transport. We understand the importance and implications of running these railway networks. Therefore, we provide complete solutions that protect your infrastructure and meet the expectations of our users and transport stakeholders.

When it comes to passenger safety in trains, trams and metros, ABB's Miniature Circuit Breakers provide high resistance to impacts such as material compliance to relevant fire and smoke standards, plus shock and vibration features for durable performance.

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S200 MTR

Reliability for the railway industry

A complete range of modular products resulting from the consolidated experience of ABB, a leading supplier of solutions and components for rolling stocks applications.

We offer a complete and global available product portfolio to cover all your needs: transformers, converters, motors and many other components including surge protection devices.

As a well-known reliable railway industry partner, ABB implements a global approach in the sector and operates locally in most markets, developing state-of-the-art technologies tailored to the specific requirements and regulations of each individual market.

ABB is an IRIS certified manufacturer of innovative solutions aimed to increase energy efficiency and productivity in the traction industry, by improving comfort and ensuring passenger safety.

As one of the world's leading suppliers, we work with all rolling stock manufacturers. As well as service, maintenance and retrofit suppliers for trains, trams and metros.

For improved protection ABB offers a range of circuit-breakers designed, developed and compliant with the most strict standards for installation on rolling stock applications, as well as with the Trenitalia Specification N° 371441.01 concerning Modular Circuit Breakers for installation on rolling stock.



Ring tongue technology
is used to prevent
disconnections
generated by vibrations,
to ensure stable and
durable connection.

ABB products are used all over the world both on rolling stock and in fixed installations for network operators.

Our mission is to provide customers with quality, state-of-the-art technology, and “green” products.

Thus contributing to the most sustainable mean of transport: the train.



S200 MTR

MCBs Main benefits

S200 MTR

APPLICATION BENEFITS



High technical performance

With high breaking capacity.



Compact dimensions

85 x 69 x 17,5 mm.



Compatibility with standard accessories

Additional functionalities like lock, remote control and device status visualization.



European quality

Designed and made in Germany.



Made for extreme conditions

With extreme operation temperature -40°C to +75°C plus high breaking capacity up to 25 kA AC and 10kA DC.



Reliable operation

In nearly all environments with ring tongue connection.



Compliance to traction standards

- Compliant to product standard (IEC/EN 60947-2)
- Fire and Smoke (NFPA-130 & EN45545-2)
- Vibration and Shock approved (IEC/EN 61373)



Flexibility & easy replacement

- Flexible range compatible with System pro M compact® standard and ring lugs accessories
- Fast and intuitive ordering thanks to self-speaking codes
- 1:1 replacement of former range

Applications of MCBs*

- ① HVAC System - Heating/cooling
- ② HVAC System passengers
- ③ Auxiliary power Converters
- ④ Control Panels
- ⑤ Heathers i.e. windows
- ⑥ Master Controllers System
- ⑦ Door Control Unit
- ⑧ Brake System



*Typically, the MCBs are having auxiliary contacts for monitoring



Space & weight savings

- Compact dimensions: 85 x 69 x 17,5 mm
- Ensure high protection with a smaller cable cross-section than conventional solutions, saving cable costs, space and weight.



Robustness & high electrical endurance

- Electrical endurance with 20.000 cycles up to 32 A
- Wide temperature span from -40°C to +75°C
- Strong resistance to extreme humidity and dryness, confirmed by test according IEC/EN 60068-2-30

S200 MTR

MCBs Functionality Overview

The mechanism, release device and arc-extinguishing chamber are built into a self-carrying structure.

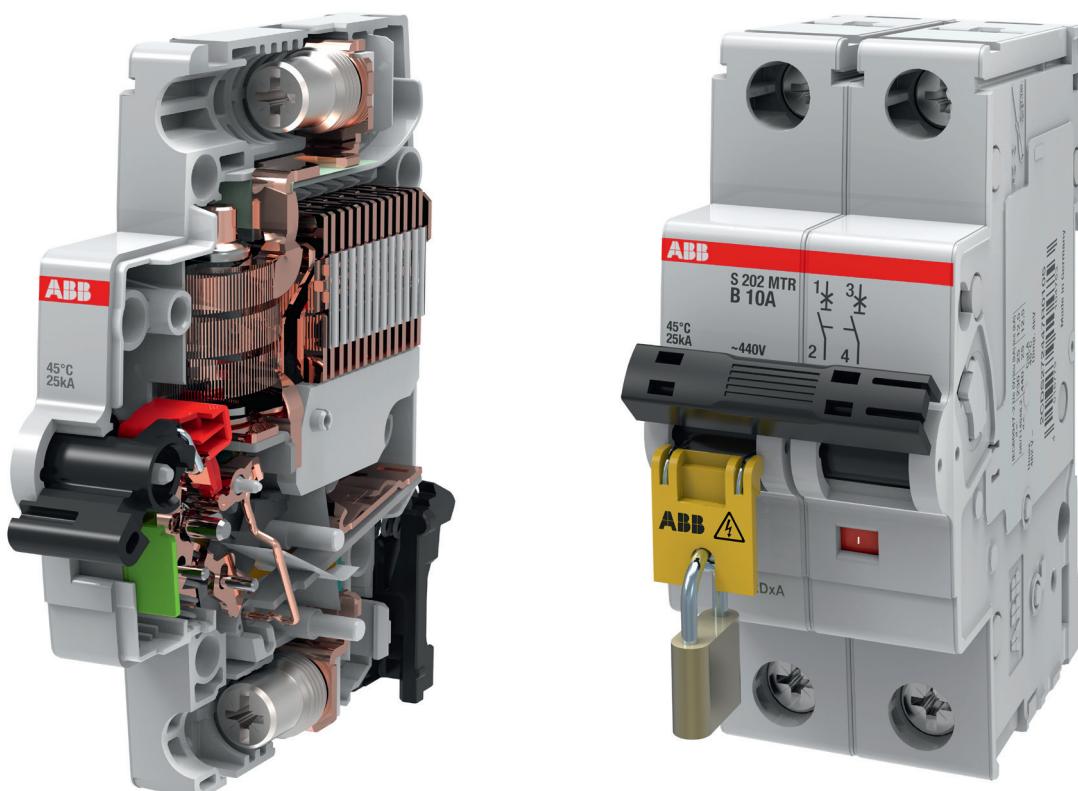
These miniature circuit breakers do not have any specific mechanical constraints between the housing and internal mechanical components, which constitute three independent functional blocks. In this way, any distortion of the housing due to thermal shocks does not affect the circuit breaker's operation.

Opening due to thermal or magnetic tripping is also guaranteed by the control lever held in the closed position (trip-free switching mechanism).

The internal contact position sensor mounted on each pole of the miniature circuit breaker allows viewing of the actual status of the circuit breaker regardless of the lever position: "green" open contacts, "red" closed contacts.

All the metal parts of the mechanism are galvanically protected from oxidation and corrosion. The miniature circuit breakers can operate in corrosive environments.

For DC performance, the S200 MTR series also offers a dedicated DC MCB Range (S200 MTR DC).

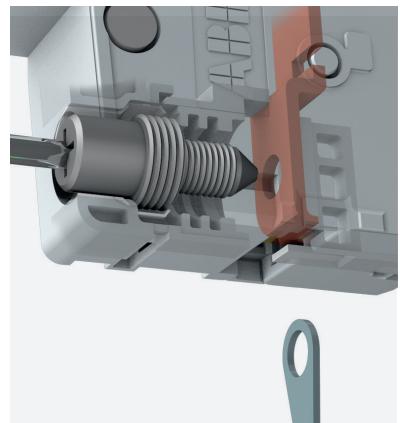


With ABB products' worldwide availability, rolling stock vehicle maintenance is possible everywhere. The long-term portfolio and the wide range of accessories ensure that no redesign is needed due to lack of replacement items.



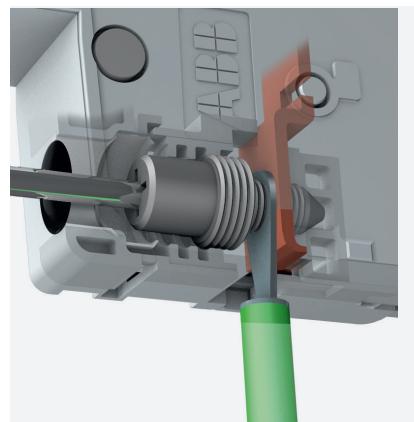
New screw design

Completely re-engineered, the S200 MTR wiring connection screws are incorporated into the housing and cannot come out of it, ensuring a convenient and fast execution. When unscrewing, the screw goes into the plastic and is no longer conductive and touch-proof according to IP20.



Ring tongue

Together with ring tongue terminal technology, the new screw design is a great companion for a reliable and long-lasting connection against shocks and vibrations.



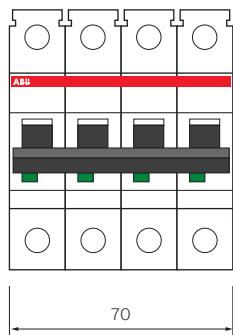
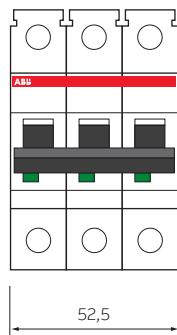
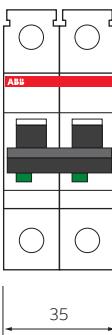
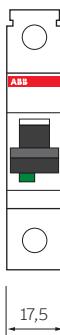
S200 MTR / S200 MTR DC

Technical Data



S200 MTR / S200 MTR DC	
Performance	Standards
	IEC/EN 60947-2
Poles	1P, 2P, 3P, 4P for AC 1P, 2P and 4P for DC
Tripping characteristics (at 45°C)	B, C, K, Z Conventional non-intervention current: $I_{nf} = 1,13 I_n$ Conventional intervention current: $I_f=1,45 I_n$
Breaking capacity I_{cn} (according to CEI / EN 60898-1)	10000 A
Rated current I_n	$0,5 \leq I_n \leq 63 A$
Rated frequency f	50/60 and DC (0 Hz)
Rated insulation voltage U_i	440V
Oversupply category	III
Pollution degree	3
Data acc. to IEC/EN 60947-2	Rated operational voltage U_e (tolerance +5%) AC: 1P up to 250 V 2/3/4 P up to 440 V DC: 1P up to 250 V 2/4 P up to 440 V
	Max. power frequency recovery voltage (U_{max}) 1 P: 266 V AC, 2...4 P: 462 V AC 1 P: 250 V DC, 2 and 4 P: 500 V DC
	Min. operating voltage 12 VAC - 12 VDC
	Rated ultimate short-circuit breaking capacity I_{cu} - acc. to IEC / EN 60947-2 ≤25 A: 25 kA (AC); 10 kA (DC) >25 A: 15 kA (AC); 10 kA (DC)
	Rated service short-circuit breaking capacity I_{cs} - acc. to IEC / EN 60947-2 ≤25 A: 12.5 kA (AC); 10 kA (DC) >25 A: 7.5 kA (AC); 10 kA (DC)
	Rated impulse withstand voltage U_{imp} . (1.2/50μs) 4 kV (test voltage 6.2kV at sea level, 5kV at 2,000m)
	Dielectric test voltage 3 kV
	Calibration temperature 45°C
	Reference temperature for tripping characteristics according IEC/ EN 60947-2 40°C
	Electrical endurance (AC at U_e) 20.000 ($I_n \leq 32 A$) - 10,000 ($I_n > 32 A$)

Dimensions (mm)

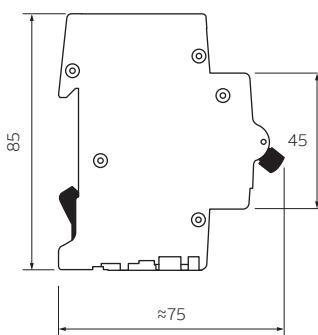


1 Pole

2 Poles

3 Poles

4 Poles



S200 MTR / S200 MTR DC

Mechanical Data

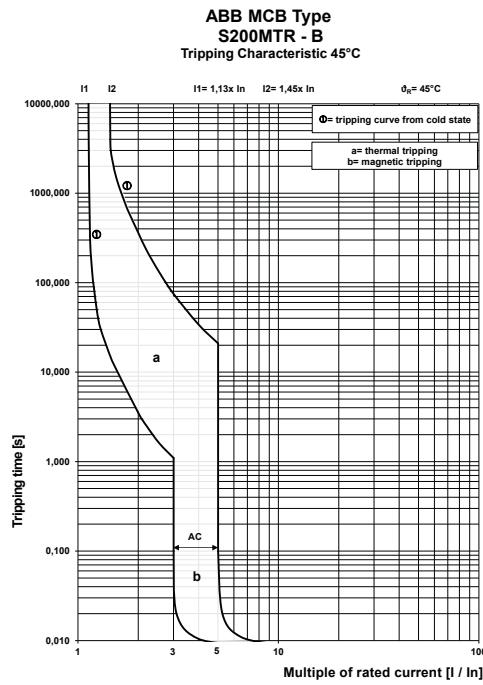


S200 MTR / S200 MTR DC		
Mechanical Data	Housing	Insulation Group I, RAL 7035 according EN45545-2 R22/HL3 and R26/HL 3 (V0 according UL94)
	Toggle	Insulation group II, black, sealable
	Contact position indication	Red/Green indication
	Protection degree acc. to EN 60529	IP20, IP40 in enclosure with cover
	Mechanical endurance	20.000 ops
	Shock resistance acc. to IEC/EN 60068-2-27	25 g - 2 shocks - 13 ms
	Shock resistance acc. to IEC/ EN 61373	Cat 1 / Class B
	Vibration resistance acc. to IEC/EN 60068-2-6	5g - 20 cycle at 5 ...150 ...5 Hz with load 0.8 In
	EN 50155	Electronic equipment used on rolling stock According IEC / EN 61373 plus temperature rise test
	Fire behaviour acc. To EN 45545-2	R26/HL3 - R22/HL3
	Fire behaviour acc. To UL 94	V0
	IEC / EN 60077 – 1 / 2	Yes
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	28 cycles with 55°C/90-96% and 25°C/95-100%
	Ambient temperature	- 25 ÷ +75°C
	Storage temperature	- 40 up to +85°C
Installation	Terminal	Ring tongue terminals
	Cross-section of conductors (top / bottom)	0.7525 mm ²
	Type of cable lugs	Ring tongue
	Tightening Torque	2.8 Nm
	Screwdriver	No. 2 Pozidrive
	Mounting	On Din Rail 35 mm acc. EN 60715 by fast clip
	Mounting position	Any
	Supply	AC: top or bottom / DC: Please note polarity of device
	Altitude	2.000 m height
Dimension and Weight	Mounting dimensions acc. to DIN 43880	1
	Pole dimensions (H x D x W)	85 x 69 x 17,5 mm (per pole)
	Pole weight	approx. 125 g
Combination with aux. elements	Auxiliary contact	Yes S2C Range + Ring tongue version
	Shunt trip	Yes S2C Range + Ring tongue version
	Rotary Handle	Yes
	Locking device	Yes
	Accessories EN 45545-2:2013	R26/HL3 mainly
	Accessories resistance of IEC 61373	Yes

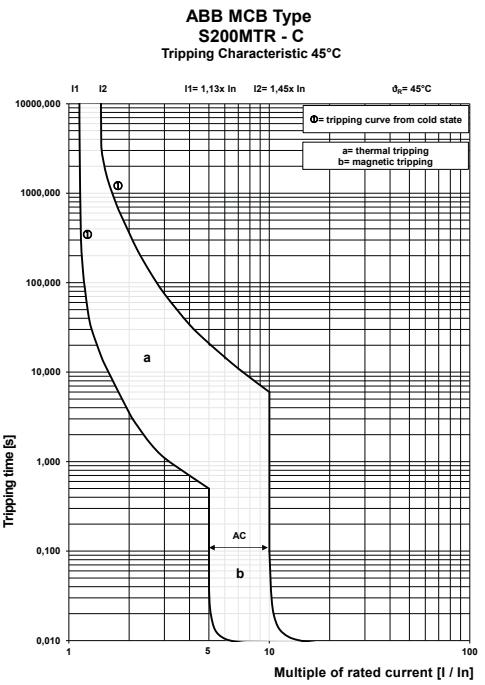
S200 MTR

Tripping Characteristics AC

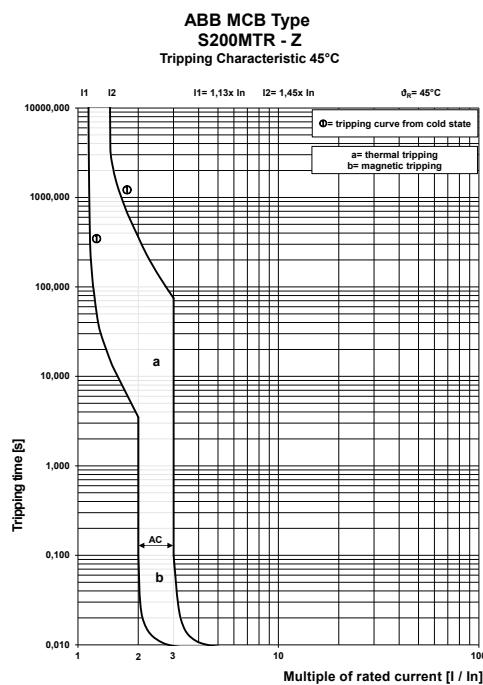
Tripping Curve B



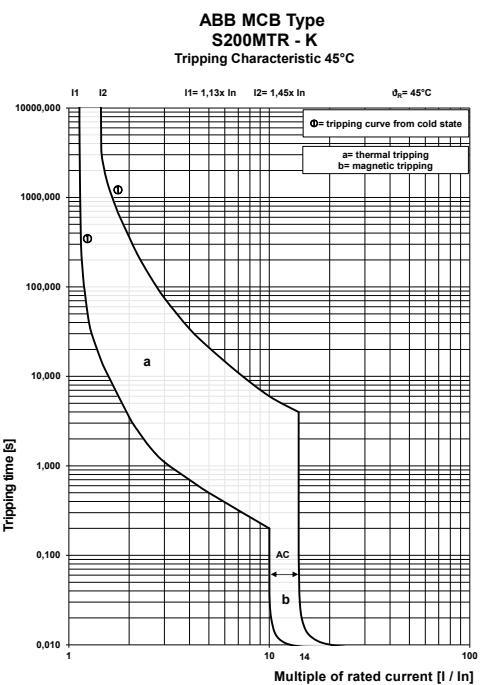
Tripping Curve C



Tripping Curve Z



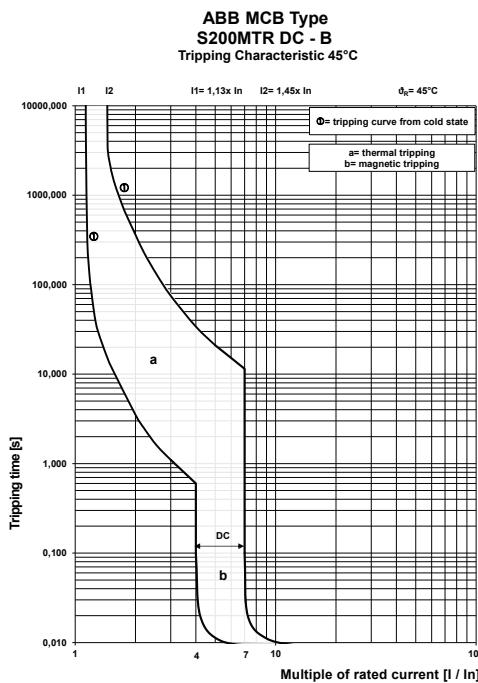
Tripping Curve K



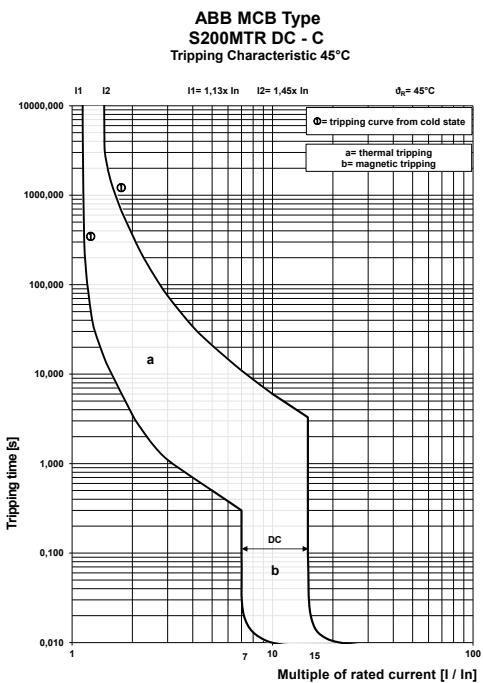
S200 MTR DC

Tripping Characteristics DC

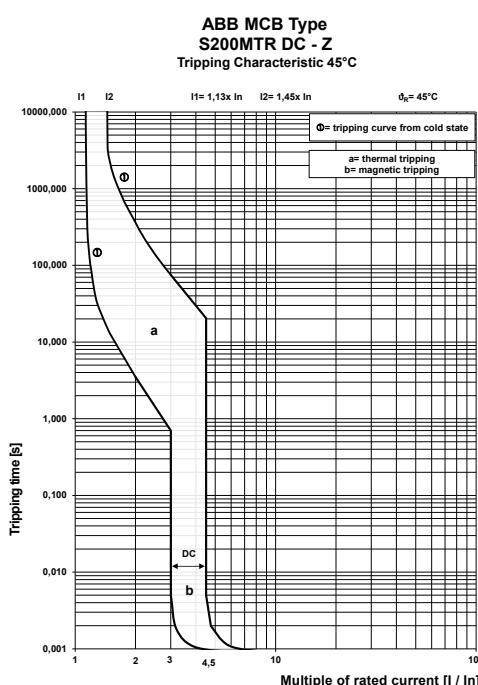
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Tripping Curve B



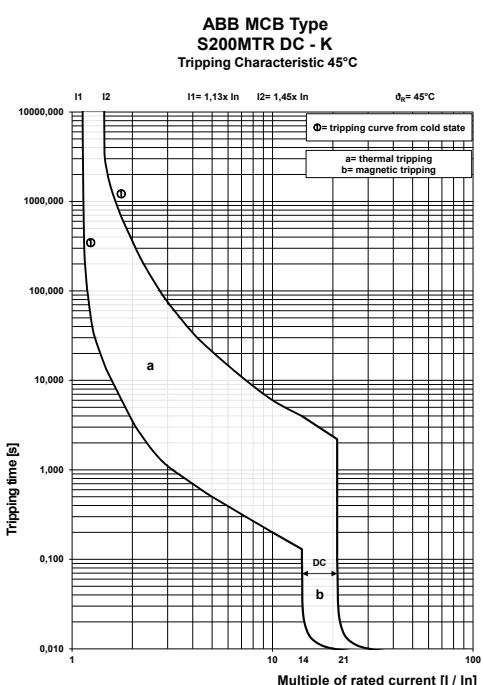
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Tripping Curve C



—
Tripping Curve Z



—
Tripping Curve K



S200 MTR / S200 MTR DC

Derating

Deviating ambient temperature

The rated value of the current of a miniature circuit breaker refers to a temperature of 40°C for circuit breakers according EN60947-2 and calibration temperature of 45°C.

The following table contains the derating of load capability of S200 MTR MCBs with temperature from -40°C to +75°C for the curves B, C, K, and Z.

The circuit-breaker is mounted individually in free air according to the test conditions of the standards.

Tripping characteristic	Current Rating	Max. Operating currents depending on the ambient temperature T (°C)													
		-40	-30	-20	-10	0	10	20	30	40	45	50	60	70	75
S200 MTR S200 MTR DC B, C, K, Z	0,5	0,7	0,6	0,6	0,6	0,6	0,6	0,5	0,5	0,5	0,5	0,5	0,5	0,4	0,3
	1	1,3	1,3	1,2	1,2	1,2	1,1	1,1	1,0	1,0	1,0	1,0	0,9	0,9	0,8
	1,6	2,1	2,1	2,0	1,9	1,9	1,8	1,7	1,7	1,6	1,6	1,5	1,5	1,4	1,3
	2	2,7	2,6	2,5	2,4	2,3	2,2	2,2	2,1	2,0	2,0	1,9	1,9	1,8	1,7
	3	4,0	3,9	3,7	3,6	3,5	3,3	3,2	3,1	3,0	3,0	2,9	2,8	2,7	2,5
	4	5,3	5,2	5,0	4,8	4,6	4,5	4,3	4,1	4,0	4,0	3,9	3,7	3,6	3,4
	6	8,0	7,7	7,5	7,2	6,9	6,7	6,5	6,2	6,0	6,0	5,8	5,6	5,4	5,2
	8	10,7	10,3	9,9	9,6	9,3	8,9	8,6	8,3	8,0	8,0	7,7	7,4	7,1	6,8
	10	13,4	12,9	12,4	12,0	11,6	11,2	10,8	10,4	10,0	10,0	9,6	9,3	8,9	8,6
	13	17,5	17,0	16,0	15,5	15,0	14,5	14,0	13,5	13,0	13,0	12,5	12,0	11,5	11,2
	16	21,5	20,5	20,0	19,0	18,5	18,0	17,0	16,5	16,0	16,0	15,5	15,0	14,5	13,7
	20	26,5	26,0	25,0	24,0	23,0	22,5	21,5	20,5	20,0	20,0	19,5	18,5	18,0	17,2
	25	33,5	32,0	31,0	30,0	29,0	28,0	27,0	26,0	25,0	25,0	24,0	23,0	22,5	21,5
	32	43,0	41,5	40,0	38,5	37,0	35,5	34,5	33,0	32,0	32,0	31,0	29,5	28,5	27,5
	40	53,5	51,5	49,5	48,0	46,5	44,5	43,0	41,5	40,0	40,0	38,5	37,0	35,5	34,3
	50	67,0	64,5	62,0	60,0	58,0	56,0	54,0	52,0	50,0	50,0	48,0	46,5	44,5	43,3
	63	84,5	81,0	78,5	75,5	73,0	70,5	67,5	65,5	63,0	63,0	60,5	58,5	56,5	54,5

Influence of adjacent devices Correction factor FM										
No. of adjacent devices	1	2	3	4	5	6	7	8	9	>9
FM	1	0,95	0,9	0,86	0,82	0,8	0,78	0,77	0,76	0,76

Breaking capacities acc. IEC/EN 60947-2 Icu (Ics = 50% Icu)

S200 MTR - B, C, K and Z* Characteristic

Poles	In (A)	Rated operational voltage Ue			
		133V AC	230V AC	250V AC	440/450V AC
1	0,5 ... 25 32 ... 63	25kA (12,5kA) 25kA (12,5kA)	25kA (12,5kA) 15 kA (7,5kA)	25kA (12,5kA) 15kA (7,5kA)	-
2 - 3 - 4	0,5 ... 25 32 ... 63	25kA (12,5kA) 25kA (12,5kA)	25kA (12,5kA) 25kA (12,5kA)	25kA (12,5kA) 15kA (7,5kA)	25kA (12,5kA) 15kA (7,5kA)

* Rated current changes depending on characteristics

Breaking capacities acc. IEC/EN 60947-2 Icu = Ics

S200 MTR DC - B, C, K and Z* Characteristic

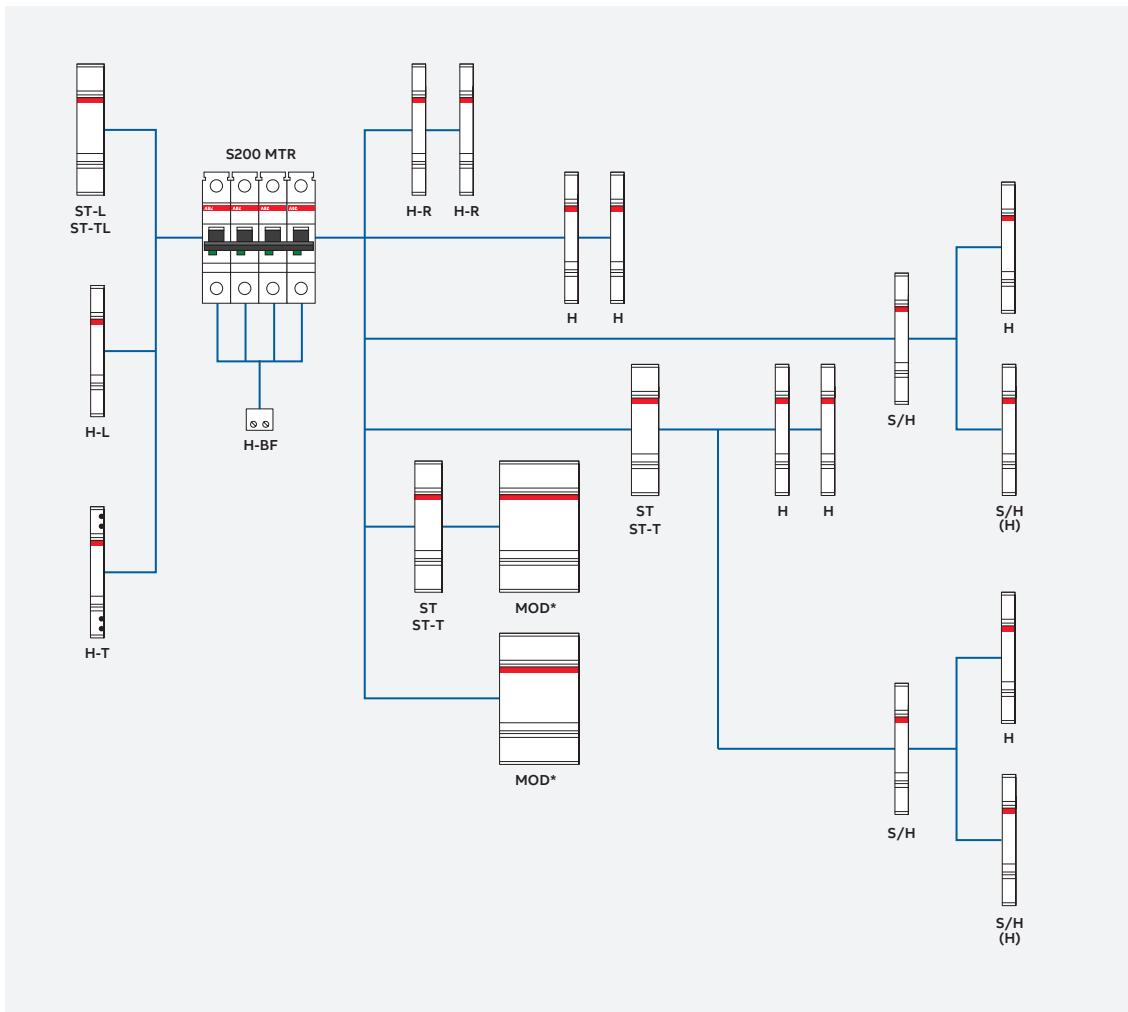
Poles	In (A)	24V DC**	60V DC**	110V DC	250V DC	440V DC
1	0,5 ... 63	25kA	25kA	20kA	10kA	-
2 - 4	0,5 ... 63	25kA	25kA	25kA	20kA	10kA

* Rated current changes depending on characteristics

** Values derived by analogy with tests performed at higher voltages

S200 MTR / S200 MTR DC

Auxiliary elements and accessories



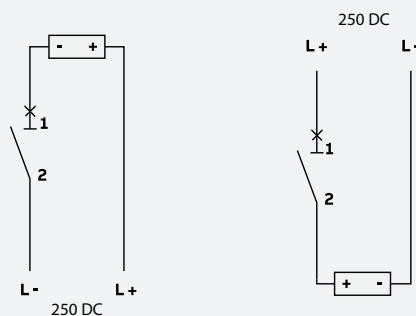
MOD*	Motor operating device	S2C-CM....
H-T	Auxiliary contact	S2C-H.. T
H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6...R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip for S200 MCB	S2C-A...
ST-L	Shunt trip for S200 MCBs to be mounted on the left	S2C-A...L
ST-T	Shunt trip for S200 MCB	
H-L	Auxiliary contact for S200 MCBs to be mounted on the left	S2C-H...L
H-BF	Auxiliary contact for MCBS bottom fitting (1 for each device)	S2C-H01/S2C-H10

*S200 series MCBs and SD200 switch disconnectors up to 3P or 2P+ST can be coupled with MOD-S

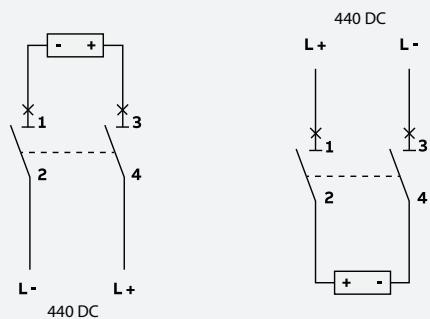
S200 MTR DC

Wiring details

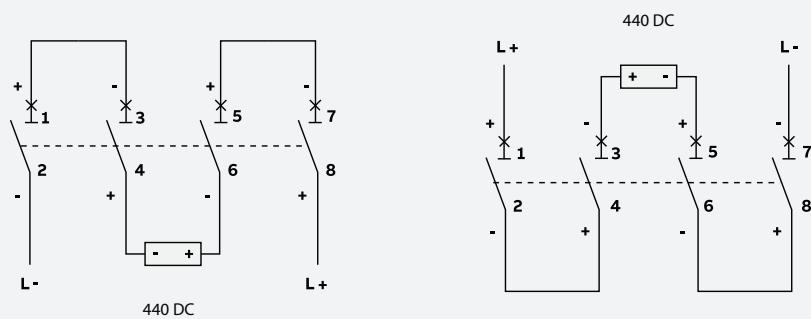
S201 MTR DC (1-pole)
250V DC



S202 MTR DC (2-pole)
440V DC



S204 MTR DC (4-pole)
440V DC



MCBs technical details

Limitation of specific let-through energy I^2t

Limitation of specific let-through energy

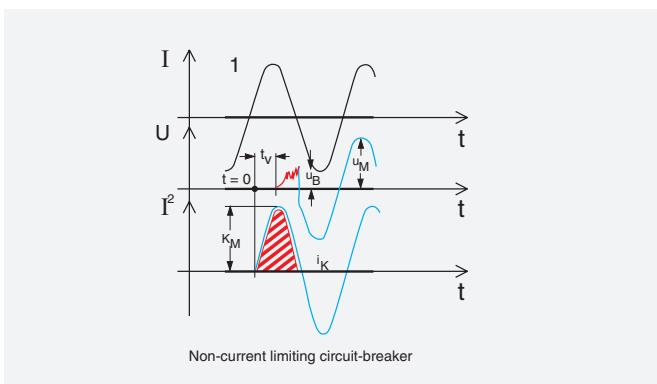
Tripping of an installation circuit by circuit-breaker when there is a short-circuit requires a certain amount of time depending on the characteristics of the circuit-breaker and the entity of the short-circuit current. During this period of time, some or all of the short-circuit current flows into the installation; the parameter I^2t defines the "specific let-through energy", ie. the specific energy that the breaker allows through when there is a short-circuit current I_{cc} during the tripping time t . In this way, we can determine the capacity of a circuit-breaker to limit, ie. break high currents up to the rated breaking power of the device, by reducing the peak value of the above-mentioned currents to a value which is considerably lower than the estimated current.

This can be achieved using mechanisms which open very rapidly and have the following advantages:

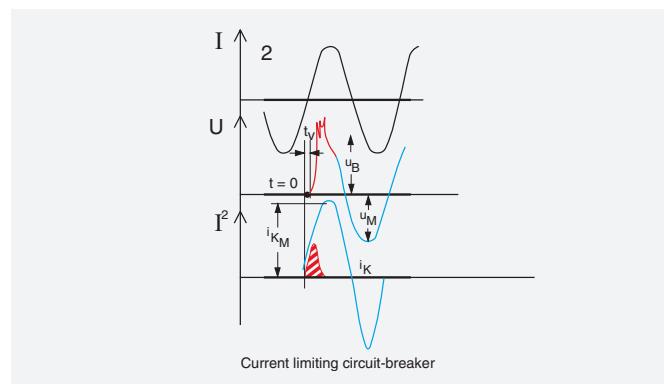
- they limit the thermal and dynamic effects both on the circuit-breaker and on the protected circuit;
- they reduce the dimensions of the current-limiting circuit-breaker without reducing breaking capacity;
- they considerably reduce ionized gases and sparklers emitted during the short-circuit and therefore they avoid the danger of ignition and fires.



I_{rms} = perspective simmetrical short-circuit current



Non-current limiting circuit-breaker



Current limiting circuit-breaker

Oscillogram of short-circuit breaks on two circuit-breakers:

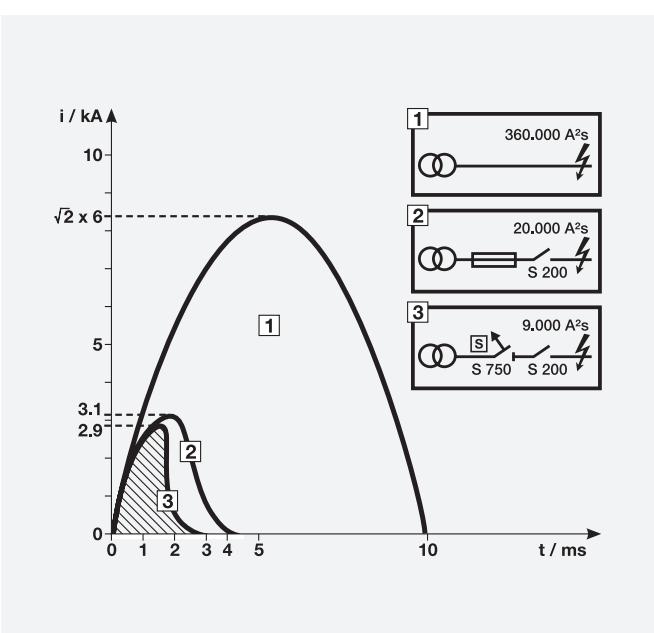
- 1 = traditional non-current limiting circuit-breaker
- 2 = current limiting circuit-breaker
- u_B = arc voltage (red)
- u_M = rest voltage (blue)

Short-circuit current

- red = effective short-circuit current squared
- blue = estimated short-circuit current squared (shunted circuit-breaker)
- iK_M = maximum values of symmetrical component of short-circuit current squared shaded in
- red = specific let-through energy in two cases

Limiting of let-through energy

Main selective circuit breakers (SMCB) like S 750 DR support downstream MCBs in clearing short-circuit currents. They additionally reduce let-through energies without tripping. This increases the operational availability of the electrical supply and reduces drawbacks to the feeding grid and the installed equipment.

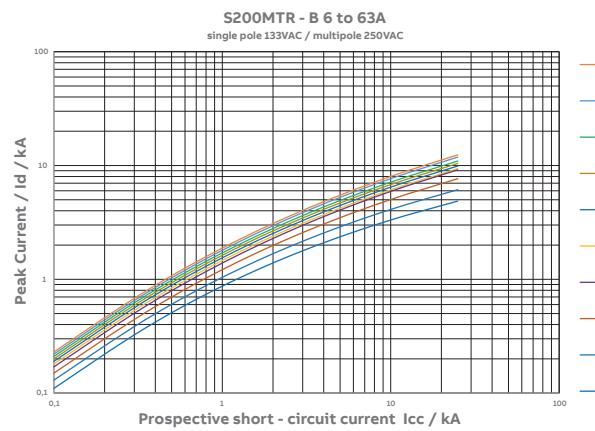


S200 MTR

Limitation of specific let-through energy I^2t

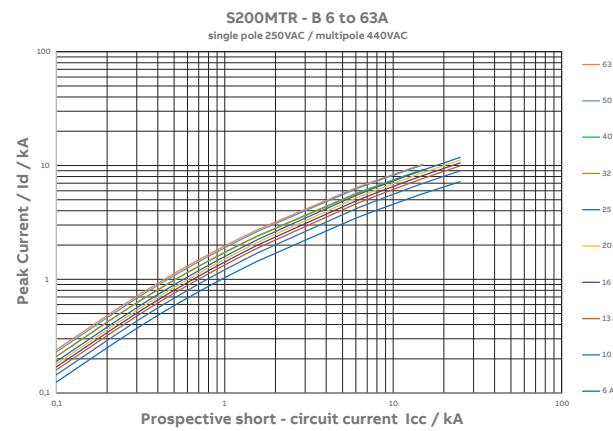
Characteristic B

133/250 V let-through energy



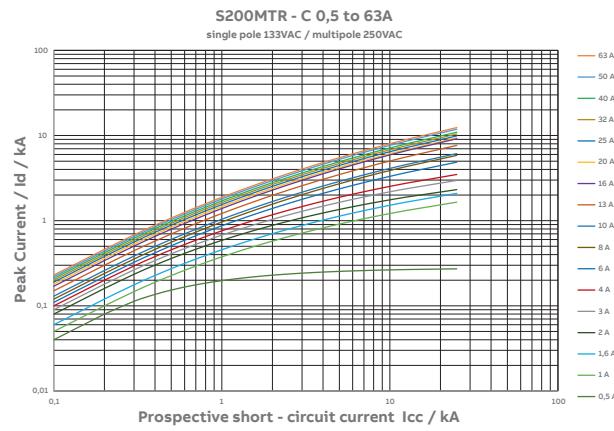
Characteristic B

250/440 V let-through energy



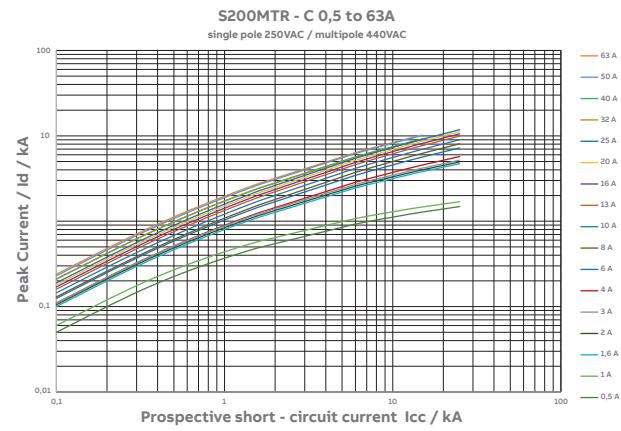
Characteristic C

133/250 V let-through energy



Characteristic C

250/440 V let-through energy

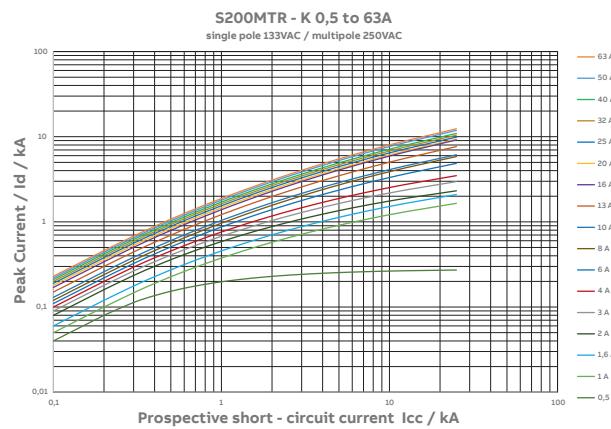


S200 MTR

Limitation of specific let-through energy I^2t

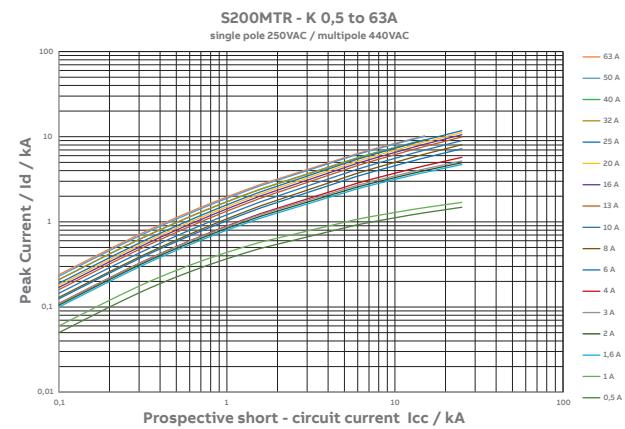
Characteristic K

133/250 V let-through energy



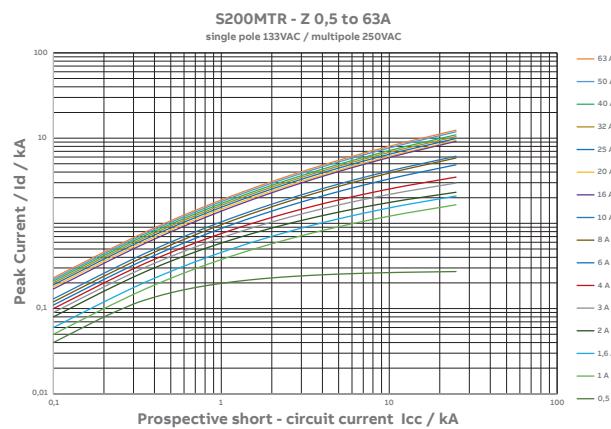
Characteristic K

250/440 V let-through energy



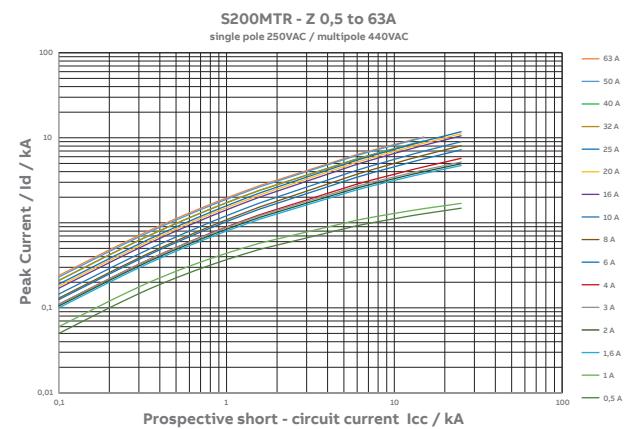
Characteristic Z

133/250 V let-through energy



Characteristic Z

250/440 V let-through energy



S200 MTR

B Characteristic



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	6	104180	S201MTR-B6	2CDS271447R0065	0.125	10
	10	104210	S201MTR-B10	2CDS271447R0105	0.125	10
	13	104234	S201MTR-B13	2CDS271447R0135	0.125	10
	16	104272	S201MTR-B16	2CDS271447R0165	0.125	10
	20	104296	S201MTR-B20	2CDS271447R0205	0.125	10
	25	104333	S201MTR-B25	2CDS271447R0255	0.125	10
	32	104371	S201MTR-B32	2CDS271447R0325	0.125	10
	40	104432	S201MTR-B40	2CDS271447R0405	0.125	10
	50	104548	S201MTR-B50	2CDS271447R0505	0.125	10
	63	104661	S201MTR-B63	2CDS271447R0635	0.125	10
2	6	104722	S202MTR-B6	2CDS272447R0065	0.250	5
	10	104753	S202MTR-B10	2CDS272447R0105	0.250	5
	13	104777	S202MTR-B13	2CDS272447R0135	0.250	5
	16	104814	S202MTR-B16	2CDS272447R0165	0.250	5
	20	104838	S202MTR-B20	2CDS272447R0205	0.250	5
	25	104876	S202MTR-B25	2CDS272447R0255	0.250	5
	32	104913	S202MTR-B32	2CDS272447R0325	0.250	5
	40	104975	S202MTR-B40	2CDS272447R0405	0.250	5
	50	105088	S202MTR-B50	2CDS272447R0505	0.250	5
	63	105200	S202MTR-B63	2CDS272447R0635	0.250	5
3	6	105262	S203MTR-B6	2CDS273447R0065	0.375	1
	10	105293	S203MTR-B10	2CDS273447R0105	0.375	1
	13	105316	S203MTR-B13	2CDS273447R0135	0.375	1
	16	105354	S203MTR-B16	2CDS273447R0165	0.375	1
	20	105378	S203MTR-B20	2CDS273447R0205	0.375	1
	25	105415	S203MTR-B25	2CDS273447R0255	0.375	1
	32	105453	S203MTR-B32	2CDS273447R0325	0.375	1
	40	105514	S203MTR-B40	2CDS273447R0405	0.375	1
	50	105620	S203MTR-B50	2CDS273447R0505	0.375	1
	63	105743	S203MTR-B63	2CDS273447R0635	0.375	1
4	6	105804	S204MTR-B6	2CDS274447R0065	0.500	1
	10	105835	S204MTR-B10	2CDS274447R0105	0.500	1
	13	105859	S204MTR-B13	2CDS274447R0135	0.500	1
	16	105897	S204MTR-B16	2CDS274447R0165	0.500	1
	20	105910	S204MTR-B20	2CDS274447R0205	0.500	1
	25	105958	S204MTR-B25	2CDS274447R0255	0.500	1
	32	105996	S204MTR-B32	2CDS274447R0325	0.500	1
	40	106054	S204MTR-B40	2CDS274447R0405	0.500	1
	50	106160	S204MTR-B50	2CDS274447R0505	0.500	1
	63	106283	S204MTR-B63	2CDS274447R0635	0.500	1

S200 MTR DC

B Characteristic - DC



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	6	100830	S201MTR-B6 DC	2CDS271565R0065	0.125	10
	10	121118	S201MTR-B10 DC	2CDS271565R0105	0.125	10
	13	136181	S201MTR-B13 DC	2CDS271565R0135	0.125	10
	16	121125	S201MTR-B16 DC	2CDS271565R0165	0.125	10
	20	136198	S201MTR-B20 DC	2CDS271565R0205	0.125	10
	25	136365	S201MTR-B25 DC	2CDS271565R0255	0.125	10
	32	136341	S201MTR-B32 DC	2CDS271565R0325	0.125	10
	40	136327	S201MTR-B40 DC	2CDS271565R0405	0.125	10
	50	136280	S201MTR-B50 DC	2CDS271565R0505	0.125	10
	63	136228	S201MTR-B63 DC	2CDS271565R0635	0.125	10
2	6	136648	S202MTR-B6 DC	2CDS272565R0065	0.250	5
	10	136631	S202MTR-B10 DC	2CDS272565R0105	0.250	5
	13	136617	S202MTR-B13 DC	2CDS272565R0135	0.250	5
	16	136891	S202MTR-B16 DC	2CDS272565R0165	0.250	5
	20	136594	S202MTR-B20 DC	2CDS272565R0205	0.250	5
	25	136587	S202MTR-B25 DC	2CDS272565R0255	0.250	5
	32	136563	S202MTR-B32 DC	2CDS272565R0325	0.250	5
	40	136549	S202MTR-B40 DC	2CDS272565R0405	0.250	5
	50	136471	S202MTR-B50 DC	2CDS272565R0505	0.250	5
	63	136914	S202MTR-B63 DC	2CDS272565R0635	0.250	5
4	6	135894	S204MTR-B6 DC	2CDS274565R0065	0.500	1
	10	135818	S204MTR-B10 DC	2CDS274565R0105	0.500	1
	13	135825	S204MTR-B13 DC	2CDS274565R0135	0.500	1
	16	135832	S204MTR-B16 DC	2CDS274565R0165	0.500	1
	20	135849	S204MTR-B20 DC	2CDS274565R0205	0.500	1
	25	135856	S204MTR-B25 DC	2CDS274565R0255	0.500	1
	32	135863	S204MTR-B32 DC	2CDS274565R0325	0.500	1
	40	135870	S204MTR-B40 DC	2CDS274565R0405	0.500	1
	50	135887	S204MTR-B50 DC	2CDS274565R0505	0.500	1
	63	135924	S204MTR-B63 DC	2CDS274565R0635	0.500	1

S200 MTR

C Characteristic



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	0,5	104685	S201MTR-C0,5	2CDS271447R0984	0.125	10
	1	104135	S201MTR-C1	2CDS271447R0014	0.125	10
	1,6	104678	S201MTR-C1,6	2CDS271447R0974	0.125	10
	2	118804	S201MTR-C2	2CDS271447R0024	0.125	10
	3	118811	S201MTR-C3	2CDS271447R0034	0.125	10
	4	104166	S201MTR-C4	2CDS271447R0044	0.125	10
	6	104173	S201MTR-C6	2CDS271447R0064	0.125	10
	8	104197	S201MTR-C8	2CDS271447R0084	0.125	10
	10	136846	S201MTR-C10	2CDS271447R0104	0.125	10
	13	104227	S201MTR-C13	2CDS271447R0134	0.125	10
	16	104265	S201MTR-C16	2CDS271447R0164	0.125	10
	20	104289	S201MTR-C20	2CDS271447R0204	0.125	10
	25	104326	S201MTR-C25	2CDS271447R0254	0.125	10
	32	104364	S201MTR-C32	2CDS271447R0324	0.125	10
	40	104425	S201MTR-C40	2CDS271447R0404	0.125	10
	50	104531	S201MTR-C50	2CDS271447R0504	0.125	10
	63	104654	S201MTR-C63	2CDS271447R0634	0.125	10
2	0,5	105224	S202MTR-C0,5	2CDS272447R0984	0.250	5
	1	104692	S202MTR-C1	2CDS272447R0014	0.250	5
	1,6	105217	S202MTR-C1,6	2CDS272447R0974	0.250	5
	2	119009	S202MTR-C2	2CDS272447R0024	0.250	5
	3	119016	S202MTR-C3	2CDS272447R0034	0.250	5
	4	104708	S202MTR-C4	2CDS272447R0044	0.250	5
	6	104715	S202MTR-C6	2CDS272447R0064	0.250	5
	8	104739	S202MTR-C8	2CDS272447R0084	0.250	5
	10	104746	S202MTR-C10	2CDS272447R0104	0.250	5
	13	104760	S202MTR-C13	2CDS272447R0134	0.250	5
	16	104807	S202MTR-C16	2CDS272447R0164	0.250	5
	20	104821	S202MTR-C20	2CDS272447R0204	0.250	5
	25	104869	S202MTR-C25	2CDS272447R0254	0.250	5
	32	104906	S202MTR-C32	2CDS272447R0324	0.250	5
	40	104968	S202MTR-C40	2CDS272447R0404	0.250	5
	50	105071	S202MTR-C50	2CDS272447R0504	0.250	5
	63	105194	S202MTR-C63	2CDS272447R0634	0.250	5

Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
3	0,5	105767	S203MTR-C0,5	2CDS273447R0984	0.375	1
	1	105231	S203MTR-C1	2CDS273447R0014	0.375	1
	1,6	105750	S203MTR-C1,6	2CDS273447R0974	0.375	1
	2	119207	S203MTR-C2	2CDS273447R0024	0.375	1
	3	119214	S203MTR-C3	2CDS273447R0034	0.375	1
	4	105248	S203MTR-C4	2CDS273447R0044	0.375	1
	6	105255	S203MTR-C6	2CDS273447R0064	0.375	1
	8	105279	S203MTR-C8	2CDS273447R0084	0.375	1
	10	105286	S203MTR-C10	2CDS273447R0104	0.375	1
	13	137034	S203MTR-C13	2CDS273447R0134	0.375	1
	16	105347	S203MTR-C16	2CDS273447R0164	0.375	1
	20	105361	S203MTR-C20	2CDS273447R0204	0.375	1
	25	137027	S203MTR-C25	2CDS273447R0254	0.375	1
	32	105446	S203MTR-C32	2CDS273447R0324	0.375	1
	40	137010	S203MTR-C40	2CDS273447R0404	0.375	1
4	50	105613	S203MTR-C50	2CDS273447R0504	0.375	1
	63	105736	S203MTR-C63	2CDS273447R0634	0.375	1
	0,5	106306	S204MTR-C0,5	2CDS274447R0984	0.500	1
	1	105774	S204MTR-C1	2CDS274447R0014	0.500	1
	1,6	106290	S204MTR-C1,6	2CDS274447R0974	0.500	1
	2	119306	S204MTR-C2	2CDS274447R0024	0.500	1
	3	119313	S204MTR-C3	2CDS274447R0034	0.500	1
	4	105781	S204MTR-C4	2CDS274447R0044	0.500	1
	6	105798	S204MTR-C6	2CDS274447R0064	0.500	1
	8	105811	S204MTR-C8	2CDS274447R0084	0.500	1
	10	105828	S204MTR-C10	2CDS274447R0104	0.500	1
	13	105842	S204MTR-C13	2CDS274447R0134	0.500	1
	16	105880	S204MTR-C16	2CDS274447R0164	0.500	1
	20	105903	S204MTR-C20	2CDS274447R0204	0.500	1
	25	105941	S204MTR-C25	2CDS274447R0254	0.500	1
	32	105989	S204MTR-C32	2CDS274447R0324	0.500	1
	40	106047	S204MTR-C40	2CDS274447R0404	0.500	1
	50	106153	S204MTR-C50	2CDS274447R0504	0.500	1
	63	106276	S204MTR-C63	2CDS274447R0634	0.500	1



S200 MTR DC

C Characteristic - DC



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	0,5	136754	S201MTR-C0,5 DC	2CDS271565R0984	0.125	10
	1	121132	S201MTR-C1 DC	2CDS271565R0014	0.125	10
	1,6	136211	S201MTR-C1,6 DC	2CDS271565R0974	0.125	10
	2	118903	S201MTR-C2 DC	2CDS271565R0024	0.125	10
	3	118910	S201MTR-C3 DC	2CDS271565R0034	0.125	10
	4	121262	S201MTR-C4 DC	2CDS271565R0044	0.125	10
	6	121255	S201MTR-C6 DC	2CDS271565R0064	0.125	10
	8	121248	S201MTR-C8 DC	2CDS271565R0084	0.125	10
	10	121231	S201MTR-C10 DC	2CDS271565R0104	0.125	10
	13	136372	S201MTR-C13 DC	2CDS271565R0134	0.125	10
	16	121217	S201MTR-C16 DC	2CDS271565R0164	0.125	10
	20	136785	S201MTR-C20 DC	2CDS271565R0204	0.125	10
	25	121187	S201MTR-C25 DC	2CDS271565R0254	0.125	10
	32	121170	S201MTR-C32 DC	2CDS271565R0324	0.125	10
	40	121163	S201MTR-C40 DC	2CDS271565R0404	0.125	10
2	50	121156	S201MTR-C50 DC	2CDS271565R0504	0.125	10
	63	121149	S201MTR-C63 DC	2CDS271565R0634	0.125	10
	0,5	136389	S202MTR-C0,5 DC	2CDS272565R0984	0.250	5
	1	121392	S202MTR-C1 DC	2CDS272565R0014	0.250	5
	1,6	136396	S202MTR-C1,6 DC	2CDS272565R0974	0.250	5
	2	119108	S202MTR-C2 DC	2CDS272565R0024	0.250	5
	3	119115	S202MTR-C3 DC	2CDS272565R0034	0.250	5
	4	121576	S202MTR-C4 DC	2CDS272565R0044	0.250	5
	6	121569	S202MTR-C6 DC	2CDS272565R0064	0.250	5
	8	121552	S202MTR-C8 DC	2CDS272565R0084	0.250	5
	10	121545	S202MTR-C10 DC	2CDS272565R0104	0.250	5
	13	136624	S202MTR-C13 DC	2CDS272565R0134	0.250	5
	16	121521	S202MTR-C16 DC	2CDS272565R0164	0.250	5
	20	121514	S202MTR-C20 DC	2CDS272565R0204	0.250	5
	25	121491	S202MTR-C25 DC	2CDS272565R0254	0.250	5
	32	121484	S202MTR-C32 DC	2CDS272565R0324	0.250	5
	40	121477	S202MTR-C40 DC	2CDS272565R0404	0.250	5
	50	121460	S202MTR-C50 DC	2CDS272565R0504	0.250	5
	63	121453	S202MTR-C63 DC	2CDS272565R0634	0.250	5



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
4	0,5	135931	S204MTR-C0,5 DC	2CDS274565R0984	0.500	1
	1	135948	S204MTR-C1 DC	2CDS274565R0014	0.500	1
	1,6	135955	S204MTR-C1,6 DC	2CDS274565R0974	0.500	1
	2	119405	S204MTR-C2 DC	2CDS274565R0024	0.500	1
	3	119412	S204MTR-C3 DC	2CDS274565R0034	0.500	1
	4	135993	S204MTR-C4 DC	2CDS274565R0044	0.500	1
	6	121798	S204MTR-C6 DC	2CDS274565R0064	0.500	1
	8	121781	S204MTR-C8 DC	2CDS274565R0084	0.500	1
	10	135962	S204MTR-C10 DC	2CDS274565R0104	0.500	1
	13	135979	S204MTR-C13 DC	2CDS274565R0134	0.500	1
	16	135986	S204MTR-C16 DC	2CDS274565R0164	0.500	1
	20	121767	S204MTR-C20 DC	2CDS274565R0204	0.500	1
	25	121743	S204MTR-C25 DC	2CDS274565R0254	0.500	1
	32	121729	S204MTR-C32 DC	2CDS274565R0324	0.500	1
	40	121712	S204MTR-C40 DC	2CDS274565R0404	0.500	1
	50	136013	S204MTR-C50 DC	2CDS274565R0504	0.500	1
	63	121705	S204MTR-C63 DC	2CDS274565R0634	0.500	1

S200 MTR

K Characteristic



Number of Poles	Rated Current [A]	B&N 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	0,5	104241	S201MTR-K0,5	2CDS271447R0157	0.125	10
	1	136839	S201MTR-K1	2CDS271447R0217	0.125	10
	1,6	104340	S201MTR-K1,6	2CDS271447R0257	0.125	10
	2	118828	S201MTR-K2	2CDS271447R0277	0.125	10
	3	118842	S201MTR-K3	2CDS271447R0317	0.125	10
	4	104388	S201MTR-K4	2CDS271447R0337	0.125	10
	6	136822	S201MTR-K6	2CDS271447R0377	0.125	10
	8	104449	S201MTR-K8	2CDS271447R0407	0.125	10
	10	104463	S201MTR-K10	2CDS271447R0427	0.125	10
	13	104487	S201MTR-K13	2CDS271447R0447	0.125	10
	16	104494	S201MTR-K16	2CDS271447R0467	0.125	10
	20	104517	S201MTR-K20	2CDS271447R0487	0.125	10
	25	104555	S201MTR-K25	2CDS271447R0517	0.125	10
	32	104579	S201MTR-K32	2CDS271447R0537	0.125	10
	40	104593	S201MTR-K40	2CDS271447R0557	0.125	10
2	50	104616	S201MTR-K50	2CDS271447R0577	0.125	10
	63	104630	S201MTR-K63	2CDS271447R0607	0.125	10
	0,5	104784	S202MTR-K0,5	2CDS272447R0157	0.250	5
	1	104845	S202MTR-K1	2CDS272447R0217	0.250	5
	1,6	104883	S202MTR-K1,6	2CDS272447R0257	0.250	5
	2	119023	S202MTR-K2	2CDS272447R0277	0.250	5
	3	119047	S202MTR-K3	2CDS272447R0317	0.250	5
	4	104920	S202MTR-K4	2CDS272447R0337	0.250	5
	6	104944	S202MTR-K6	2CDS272447R0377	0.250	5
	8	104982	S202MTR-K8	2CDS272447R0407	0.250	5
	10	105002	S202MTR-K10	2CDS272447R0427	0.250	5
	13	105026	S202MTR-K13	2CDS272447R0447	0.250	5
	16	105033	S202MTR-K16	2CDS272447R0467	0.250	5
	20	105057	S202MTR-K20	2CDS272447R0487	0.250	5
	25	105095	S202MTR-K25	2CDS272447R0517	0.250	5
	32	105118	S202MTR-K32	2CDS272447R0537	0.250	5
	40	105132	S202MTR-K40	2CDS272447R0557	0.250	5
	50	105156	S202MTR-K50	2CDS272447R0577	0.250	5
	63	105170	S202MTR-K63	2CDS272447R0607	0.250	5

Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
3	0,5	105323	S203MTR-K0,5	2CDS273447R0157	0.375	1
	1	105385	S203MTR-K1	2CDS273447R0217	0.375	1
	1,6	105422	S203MTR-K1,6	2CDS273447R0257	0.375	1
	2	119221	S203MTR-K2	2CDS273447R0277	0.375	1
	3	119245	S203MTR-K3	2CDS273447R0317	0.375	1
	4	105460	S203MTR-K4	2CDS273447R0337	0.375	1
	6	105484	S203MTR-K6	2CDS273447R0377	0.375	1
	8	105521	S203MTR-K8	2CDS273447R0407	0.375	1
	10	105545	S203MTR-K10	2CDS273447R0427	0.375	1
	13	105569	S203MTR-K13	2CDS273447R0447	0.375	1
	16	105576	S203MTR-K16	2CDS273447R0467	0.375	1
	20	105590	S203MTR-K20	2CDS273447R0487	0.375	1
	25	105637	S203MTR-K25	2CDS273447R0517	0.375	1
	32	105651	S203MTR-K32	2CDS273447R0537	0.375	1
4	40	105675	S203MTR-K40	2CDS273447R0557	0.375	1
	50	105699	S203MTR-K50	2CDS273447R0577	0.375	1
	63	105712	S203MTR-K63	2CDS273447R0607	0.375	1
	0,5	105866	S204MTR-K0,5	2CDS274447R0157	0.500	1
	1	105927	S204MTR-K1	2CDS274447R0217	0.500	1
	1,6	105965	S204MTR-K1,6	2CDS274447R0257	0.500	1
	2	119320	S204MTR-K2	2CDS274447R0277	0.125	1
	3	119344	S204MTR-K3	2CDS274447R0317	0.125	1
	4	106009	S204MTR-K4	2CDS274447R0337	0.500	1
	6	106023	S204MTR-K6	2CDS274447R0377	0.500	1
	8	106061	S204MTR-K8	2CDS274447R0407	0.500	1
	10	106085	S204MTR-K10	2CDS274447R0427	0.500	1
	13	106108	S204MTR-K13	2CDS274447R0447	0.500	1
	16	106115	S204MTR-K16	2CDS274447R0467	0.500	1
	20	106139	S204MTR-K20	2CDS274447R0487	0.500	1
	25	106177	S204MTR-K25	2CDS274447R0517	0.500	1
	32	106191	S204MTR-K32	2CDS274447R0537	0.500	1
	40	106214	S204MTR-K40	2CDS274447R0557	0.500	1
	50	106238	S204MTR-K50	2CDS274447R0577	0.500	1
	63	106252	S204MTR-K63	2CDS274447R0607	0.500	1



S200 MTR DC

K Characteristic - DC



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	0,5	121224	S201MTR-K0,5 DC	2CDS271565R0157	0.125	10
	1	121194	S201MTR-K1 DC	2CDS271565R0217	0.125	10
	1,6	136358	S201MTR-K1,6 DC	2CDS271565R0257	0.125	10
	2	118927	S201MTR-K2 DC	2CDS271565R0277	0.125	10
	3	118941	S201MTR-K3 DC	2CDS271565R0317	0.125	10
	4	136334	S201MTR-K4 DC	2CDS271565R0337	0.125	10
	6	121354	S201MTR-K6 DC	2CDS271565R0377	0.125	10
	8	121347	S201MTR-K8 DC	2CDS271565R0407	0.125	10
	10	121330	S201MTR-K10 DC	2CDS271565R0427	0.125	10
	13	136747	S201MTR-K13 DC	2CDS271565R0447	0.125	10
	16	121323	S201MTR-K16 DC	2CDS271565R0467	0.125	10
	20	121316	S201MTR-K20 DC	2CDS271565R0487	0.125	10
	25	136778	S201MTR-K25 DC	2CDS271565R0517	0.125	10
	32	121293	S201MTR-K32 DC	2CDS271565R0537	0.125	10
	40	121286	S201MTR-K40 DC	2CDS271565R0557	0.125	10
2	50	136259	S201MTR-K50 DC	2CDS271565R0577	0.125	10
	63	121279	S201MTR-K63 DC	2CDS271565R0607	0.125	10
	0,5	121538	S202MTR-K0,5 DC	2CDS272565R0157	0.250	5
	1	136945	S202MTR-K1 DC	2CDS272565R0217	0.250	5
	1,6	136570	S202MTR-K1,6 DC	2CDS272565R0257	0.250	5
	2	119122	S202MTR-K2 DC	2CDS272565R0277	0.250	5
	3	119146	S202MTR-K3 DC	2CDS272565R0317	0.250	5
	4	121668	S202MTR-K4 DC	2CDS272565R0337	0.250	5
	6	121651	S202MTR-K6 DC	2CDS272565R0377	0.250	5
	8	121644	S202MTR-K8 DC	2CDS272565R0407	0.250	5
	10	121637	S202MTR-K10 DC	2CDS272565R0427	0.250	5
	13	136518	S202MTR-K13 DC	2CDS272565R0447	0.250	5
	16	121620	S202MTR-K16 DC	2CDS272565R0467	0.250	5
	20	136495	S202MTR-K20 DC	2CDS272565R0487	0.250	5
	25	121613	S202MTR-K25 DC	2CDS272565R0517	0.250	5
	32	136938	S202MTR-K32 DC	2CDS272565R0537	0.250	5
	40	136440	S202MTR-K40 DC	2CDS272565R0557	0.250	5
	50	121590	S202MTR-K50 DC	2CDS272565R0577	0.250	5
	63	121583	S202MTR-K63 DC	2CDS272565R0607	0.250	5



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
4	0,5	121774	S204MTR-K0,5 DC	2CDS274565R0157	0.500	1
	1	121750	S204MTR-K1 DC	2CDS274565R0217	0.500	1
	1,6	121736	S204MTR-K1,6 DC	2CDS274565R0257	0.500	1
	2	119429	S204MTR-K2 DC	2CDS274565R0277	0.500	1
	3	119443	S204MTR-K3 DC	2CDS274565R0317	0.500	1
	4	121910	S204MTR-K4 DC	2CDS274565R0337	0.500	1
	6	121903	S204MTR-K6 DC	2CDS274565R0377	0.500	1
	8	121897	S204MTR-K8 DC	2CDS274565R0407	0.500	1
	10	121880	S204MTR-K10 DC	2CDS274565R0427	0.500	1
	13	136020	S204MTR-K13 DC	2CDS274565R0447	0.500	1
	16	121873	S204MTR-K16 DC	2CDS274565R0467	0.500	1
	20	121866	S204MTR-K20 DC	2CDS274565R0487	0.500	1
	25	121859	S204MTR-K25 DC	2CDS274565R0517	0.500	1
	32	121842	S204MTR-K32 DC	2CDS274565R0537	0.500	1
	40	121835	S204MTR-K40 DC	2CDS274565R0557	0.500	1
	50	121828	S204MTR-K50 DC	2CDS274565R0577	0.500	1
	63	121811	S204MTR-K63 DC	2CDS274565R0607	0.500	1

S200 MTR

Z Characteristic



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	0,5	104258	S201MTR-Z0,5	2CDS271447R0158	0.125	10
	1	104319	S201MTR-Z1	2CDS271447R0218	0.125	10
	1,6	104357	S201MTR-Z1,6	2CDS271447R0258	0.125	10
	2	118835	S201MTR-Z2	2CDS271447R0278	0.125	10
	3	118859	S201MTR-Z3	2CDS271447R0318	0.125	10
	4	104395	S201MTR-Z4	2CDS271447R0338	0.125	10
	6	104418	S201MTR-Z6	2CDS271447R0378	0.125	10
	8	104456	S201MTR-Z8	2CDS271447R0408	0.125	10
	10	104470	S201MTR-Z10	2CDS271447R0428	0.125	10
	16	136815	S201MTR-Z16	2CDS271447R0468	0.125	10
	20	104524	S201MTR-Z20	2CDS271447R0488	0.125	10
	25	104562	S201MTR-Z25	2CDS271447R0518	0.125	10
	32	104586	S201MTR-Z32	2CDS271447R0538	0.125	10
	40	136792	S201MTR-Z40	2CDS271447R0558	0.125	10
	50	104623	S201MTR-Z50	2CDS271447R0578	0.125	10
	63	104647	S201MTR-Z63	2CDS271447R0608	0.125	10
2	0,5	104791	S202MTR-Z0,5	2CDS272447R0158	0.250	5
	1	104852	S202MTR-Z1	2CDS272447R0218	0.250	5
	1,6	104890	S202MTR-Z1,6	2CDS272447R0258	0.250	5
	2	119030	S202MTR-Z2	2CDS272447R0278	0.250	5
	3	119054	S202MTR-Z3	2CDS272447R0318	0.250	5
	4	104937	S202MTR-Z4	2CDS272447R0338	0.250	5
	6	104951	S202MTR-Z6	2CDS272447R0378	0.250	5
	8	104999	S202MTR-Z8	2CDS272447R0408	0.250	5
	10	105019	S202MTR-Z10	2CDS272447R0428	0.250	5
	16	105040	S202MTR-Z16	2CDS272447R0468	0.250	5
	20	105064	S202MTR-Z20	2CDS272447R0488	0.250	5
	25	105101	S202MTR-Z25	2CDS272447R0518	0.250	5
	32	105125	S202MTR-Z32	2CDS272447R0538	0.250	5
	40	105149	S202MTR-Z40	2CDS272447R0558	0.250	5
	50	105163	S202MTR-Z50	2CDS272447R0578	0.250	5
	63	105187	S202MTR-Z63	2CDS272447R0608	0.250	5

Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
3	0,5	105330	S203MTR-Z0,5	2CDS273447R0158	0.375	1
	1	105392	S203MTR-Z1	2CDS273447R0218	0.375	1
	1,6	105439	S203MTR-Z1,6	2CDS273447R0258	0.375	1
	2	119238	S203MTR-Z2	2CDS273447R0278	0.375	1
	3	119252	S203MTR-Z3	2CDS273447R0318	0.375	1
	4	105477	S203MTR-Z4	2CDS273447R0338	0.375	1
	6	105491	S203MTR-Z6	2CDS273447R0378	0.375	1
	8	105538	S203MTR-Z8	2CDS273447R0408	0.375	1
	10	105552	S203MTR-Z10	2CDS273447R0428	0.375	1
	16	105583	S203MTR-Z16	2CDS273447R0468	0.375	1
	20	136990	S203MTR-Z20	2CDS273447R0488	0.375	1
	25	105644	S203MTR-Z25	2CDS273447R0518	0.375	1
	32	105668	S203MTR-Z32	2CDS273447R0538	0.375	1
	40	105682	S203MTR-Z40	2CDS273447R0558	0.375	1
4	50	136983	S203MTR-Z50	2CDS273447R0578	0.375	1
	63	105729	S203MTR-Z63	2CDS273447R0608	0.375	1
	0,5	105873	S204MTR-Z0,5	2CDS274447R0158	0.500	1
	1	105934	S204MTR-Z1	2CDS274447R0218	0.500	1
	1,6	105972	S204MTR-Z1,6	2CDS274447R0258	0.500	1
	2	119337	S204MTR-Z2	2CDS274447R0278	0.125	10
	3	119351	S204MTR-Z3	2CDS274447R0318	0.125	10
	4	106016	S204MTR-Z4	2CDS274447R0338	0.500	1
	6	106030	S204MTR-Z6	2CDS274447R0378	0.500	1
	8	106078	S204MTR-Z8	2CDS274447R0408	0.500	1
	10	106092	S204MTR-Z10	2CDS274447R0428	0.500	1
	16	106122	S204MTR-Z16	2CDS274447R0468	0.500	1
	20	106146	S204MTR-Z20	2CDS274447R0488	0.500	1
	25	106184	S204MTR-Z25	2CDS274447R0518	0.500	1
	32	106207	S204MTR-Z32	2CDS274447R0538	0.500	1
	40	106221	S204MTR-Z40	2CDS274447R0558	0.500	1
	50	106245	S204MTR-Z50	2CDS274447R0578	0.500	1
	63	106269	S204MTR-Z63	2CDS274447R0608	0.500	1



S200 MTR DC

Z Characteristic -DC



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
1	0,5	121385	S201MTR-Z0,5 DC	2CDS271565R0158	0.125	10
	1	121378	S201MTR-Z1 DC	2CDS271565R0218	0.125	10
	1,6	121361	S201MTR-Z1,6 DC	2CDS271565R0258	0.125	10
	2	118934	S201MTR-Z2 DC	2CDS271565R0278	0.125	10
	3	118958	S201MTR-Z3 DC	2CDS271565R0318	0.125	10
	4	121446	S201MTR-Z4 DC	2CDS271565R0338	0.125	10
	6	121439	S201MTR-Z6 DC	2CDS271565R0378	0.125	10
	8	136310	S201MTR-Z8 DC	2CDS271565R0408	0.125	10
	10	121422	S201MTR-Z10 DC	2CDS271565R0428	0.125	10
	16	121415	S201MTR-Z16 DC	2CDS271565R0468	0.125	10
	20	136297	S201MTR-Z20 DC	2CDS271565R0488	0.125	10
	25	136761	S201MTR-Z25 DC	2CDS271565R0518	0.125	10
	32	136273	S201MTR-Z32 DC	2CDS271565R0538	0.125	10
	40	136266	S201MTR-Z40 DC	2CDS271565R0558	0.125	10
	50	136242	S201MTR-Z50 DC	2CDS271565R0578	0.125	10
	63	136235	S201MTR-Z63 DC	2CDS271565R0608	0.125	10
2	0,5	121699	S202MTR-Z0,5 DC	2CDS272565R0158	0.250	5
	1	121682	S202MTR-Z1 DC	2CDS272565R0218	0.250	5
	1,6	121675	S202MTR-Z1,6 DC	2CDS272565R0258	0.250	5
	2	119139	S202MTR-Z2 DC	2CDS272565R0278	0.250	5
	3	119153	S202MTR-Z3 DC	2CDS272565R0318	0.250	5
	4	136921	S202MTR-Z4 DC	2CDS272565R0338	0.250	5
	6	136556	S202MTR-Z6 DC	2CDS272565R0378	0.250	5
	8	136532	S202MTR-Z8 DC	2CDS272565R0408	0.250	5
	10	136525	S202MTR-Z10 DC	2CDS272565R0428	0.250	5
	16	137072	S202MTR-Z16 DC	2CDS272565R0468	0.250	5
	20	136488	S202MTR-Z20 DC	2CDS272565R0488	0.250	5
	25	136464	S202MTR-Z25 DC	2CDS272565R0518	0.250	5
	32	136457	S202MTR-Z32 DC	2CDS272565R0538	0.250	5
	40	136433	S202MTR-Z40 DC	2CDS272565R0558	0.250	5
	50	136426	S202MTR-Z50 DC	2CDS272565R0578	0.250	5
	63	136419	S202MTR-Z63 DC	2CDS272565R0608	0.250	5



Number of Poles	Rated Current [A]	Bbn 4016779 EAN	Type Code	Order Code	Weight 1 piece Kg	Pack unit pc.
4	0,5	136037	S204MTR-Z0,5 DC	2CDS274565R0158	0.500	1
	1	136044	S204MTR-Z1 DC	2CDS274565R0218	0.500	1
	1,6	136051	S204MTR-Z1,6 DC	2CDS274565R0258	0.500	1
	2	119436	S204MTR-Z2 DC	2CDS274565R0278	0.500	1
	3	119450	S204MTR-Z3 DC	2CDS274565R0318	0.500	1
	4	136129	S204MTR-Z4 DC	2CDS274565R0338	0.500	1
	6	136150	S204MTR-Z6 DC	2CDS274565R0378	0.500	1
	8	136174	S204MTR-Z8 DC	2CDS274565R0408	0.500	1
	10	136068	S204MTR-Z10 DC	2CDS274565R0428	0.500	1
	16	136075	S204MTR-Z16 DC	2CDS274565R0468	0.500	1
	20	136082	S204MTR-Z20 DC	2CDS274565R0488	0.500	1
	25	136099	S204MTR-Z25 DC	2CDS274565R0518	0.500	1
	32	136112	S204MTR-Z32 DC	2CDS274565R0538	0.500	1
	40	136136	S204MTR-Z40 DC	2CDS274565R0558	0.500	1
	50	136143	S204MTR-Z50 DC	2CDS274565R0578	0.500	1
	63	136167	S204MTR-Z63 DC	2CDS274565R0608	0.500	1

Accessories

Order Codes



Auxiliary contacts ring tongue version

Function: remote reporting of the open or closed state of the switch to which they are coupled in case of voltage application. Applications: rolling stock.

Description	Order details			Weight 1 piece Kg	Pack unit pc.
	Type	Order Code			
To be mounted on the left side	1 NO contact + 1 NC contact	S2C-H11 T Aux	2CSS207033R1119	0,04	1
	2 NC contacts	S2C-H02 T Aux	2CSS207033R1029	0,04	1
	2 NO contacts	S2C-H20 T Aux	2CSS207033R1209	0,04	1



Signal/Auxiliary contact (universal)

Description	Order details			Weight 1 piece Kg	Pack unit pc.
	Type	Order Code			
Signal contact or auxiliary contact (selectable)	1 changeover contact	S 2C-S/H6R	2CDS200922R0001	0,04	1
To be mounted on the right side					



Auxiliary contact

Description	Order details			Weight 1 piece Kg	Pack unit pc.
	Type	Order Code			
To be mounted on the right side	1 changeover contact	S 2C-H6R	2CDS200922R0001	0,04	1
	1 NO contact + 1 NC contact	S 2C-H6-11R	2CDS200946R0001	0,04	1
	2 NO contacts	S 2C-H6-20R	2CDS200946R0002	0,04	1
To be mounted on the left side	2 NC contacts	S 2C-H6-02R	2CDS200946R0003	0,04	1
	1 NO contact + 1 NC contact	S 2C-H11L	2CDS200936R0001	0,04	1
	2 NO contacts	S 2C-H20L	2CDS200936R0002	0,04	1
	2 NC contacts	S 2C-H02L	2CDS200936R0003	0,04	1



Bottom-fitting auxiliary contact

Description	Order details			Weight 1 piece Kg	Pack unit pc.
	Type	Order Code			
To be mounted on the bottom	1 NC contact	S 2C-H01	2CDS200970R0031	0,01	1
	• Time and cost-efficient • 50% space reduction	S 2C-H10	2CDS200970R0032	0,01	1

Accessories

Order Codes



Shunt trip

Description	Order details		Weight 1 piece Kg	Pack unit pc.
	Type	Order Code		
4 types for different voltage levels	12 ... 60 V AC	S 2C-A1	2CDS200909R0001	0,15
	12 ... 60 V DC			
To be mounted on the right side	110 ... 415 V AC	S 2C-A2	2CDS200909R0002	0,15
	110 ... 250 V DC			1



Shunt trip ring tongue

Description	Order details		Weight 1 piece Kg	Pack unit pc.
	Type	Order Code		
To be mounted on the right side	12 VAC to 110 VAC/ 12 VDC to 110 VDC	S 2C-A1T	2CDS200949R0001	0,15
To be mounted on the left side	12 VDC to 110 VDC	S 2C-A1TL	2CDS200947R0001	1
to be mounted on the right side	12 VAC to 415 VAC/ 110 VDC to 250 VDC	S 2C-A2T	2CDS200947R0002	0,15
to be mounted on the left side	110 VDC to 250 VDC	S 2C-A2TL	2CDS200949R0002	1



Rotary drive

Description	Order details		Weight 1 piece Kg	Pack unit pc.
	Type	Order Code		
Allows manual control from outside the enclosure	S 2C-DH	GHS2001901R0003	0,17	1



Motor drive with remote switch on/off function

Description	Order details		Weight 1 piece Kg	Pack unit pc.
	Type	Order Code		
Motor operating device for 1P S201 MTR (DC) MCBs	S 2C-CM1	2CSS201997R0013	0,17	1
Motor operating device for 2P and 3P S200 MTR range	S 2C-CM/3	2CSS203997R0013	0,17	1



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