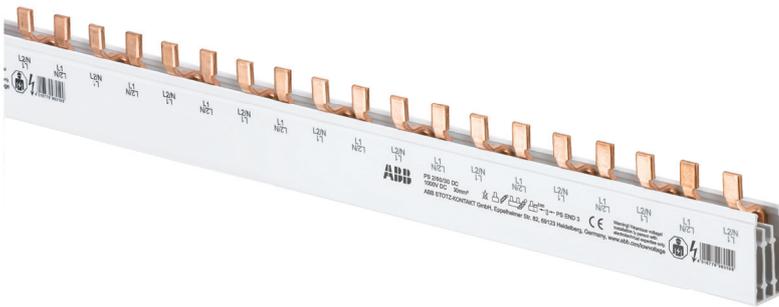


ELECTRICAL INSTALLATIONS IN BUILDINGS

Busbars PS...DC and accessories

For applications up to 1,000 V DC

Busbars type PS...DC are used for fast and easy line side wiring of ABB modular devices in DC applications up to 1,000 V DC.



—
01 PS 2/60/30 DC

The entire product line of PS...DC busbars consists of 1- and 2-phase busbars with a pin distance of 17.6 mm and 26.4 mm for universal use, which makes the range ideally suitable for line side wiring of modular devices or fuse carriers and fuse switch disconnectors E90PV in solar applications. Matching feeder terminals allow the connection of conductors with a cross section of max. 35 mm².

Application and installation

- For use with fuse disconnectors E90PV in IEC applications, MCBs S200 and other modular DIN rail devices in DC applications
- Rated voltage 1.000 VDC
- Fast and easy installation
- Can be cut to length by the customer, as needed

Product range

- 1- and 2-pole types
- 30 mm² cross section
- Pin gap 1 and 1.5 modules
- Touch-proof with the use of plastic covers installed on unused busbar pins
- Rated current 120 A
- Rated voltage 1,000 V DC
- End caps, tooth covers and feeder terminals available as accessories

Busbars PS...DC and accessories

Technical data



2CDC061003S0016

Electrical data			
Standards		EN 60947-1 / IEC 60947-1	
Rated voltage U_e	V	600 V AC / 1,000 V DC	
Rated frequency	Hz	50 / 60 Hz; DC	
Rated impulse withstand voltage U_{imp}	kV	8 kV	
Rated current / phase	End fed ¹⁾	A	120 A
	Center fed ¹⁾	A	160 A
Short-circuit current rating	kA	I_{cc} : 25 kA/0.1 s, 100 kA in series with fuse NH3 355 A gG 500 V IM	
Mechanical data			
Housing		grey, RAL 7035	
Resistance to climatic conditions		acc. to DIN EN 60068	
Isolation coordination	Overvoltage category	III	
	Pollution degree	2	
Installation			
Cross-section	mm ²	30 mm ²	
Mounting position		Optional	
Supply		Feed-in via cable or feeder terminal	
Accessories			
Shock protection caps		SZ-BSK	
End caps		1P: PS-END 0, 2P: PS-END 3	
Approvals			
conform to CE and RoHS			

¹⁾Independently from the current rating of the feeder terminal or busbar, the current-carrying capacity/current rating of the device terminal must not be exceeded.

Installation/assembly

Attention!

The copper bus has to be cut to a length that is app. 10 mm less than the corresponding length of the plastic busbar housing. Touch-safe only when used with the required end caps. Independant from the rated voltage of the devices like busbars or feeder terminals the creepage distances and distances over the air needs to be considered. This is depending on the particular application as well as on the complete assembling.

Busbars PS...DC and accessories

Ordering data and dimensional drawings

Busbars PS...DC (cuttable) for use with end caps PS-END0 and PS-END3

Number of phases	Phase sequence	bbn 40 16779 EAN	Type	Order code	Pieces per pack pcs.	Weight 1 pc. kg
1	L1-L1-L1...	960168	PS1/60/30DC	2CDL210130R6030	10	0.485
	L1-Aux (free)-L1-Aux (free)... ¹⁾	960175	PS1/39/30HDC	2CDL210130R3930	10	0.435
2	L1-L2-L1-L2...	960199	PS2/60/30DC	2CDL220130R6030	10	0.94
	L1-Aux (free)-L2-Aux (free)... ¹⁾	960212	PS2/38/30HDC	2CDL220130R3830	10	0.85

¹⁾ for devices with auxiliary contact (half module) after each phase sequence or for devices with 27 mm module width

Accessories

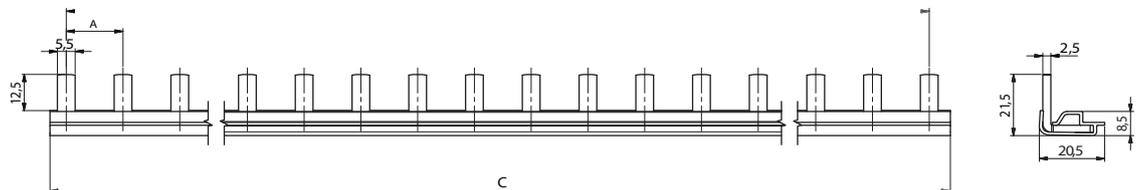
Description	bbn 40 16779 EAN	Type	Order code	Pieces per pack pcs.	Weight 1 pc. kg
Tooth covers, for 5 pins (pin distance 17.6 mm)	420006	SZ-BSK	2CDL200001R0011	10	0.003
End caps 1-phase busbar	652261	PS-END0 ²⁾	2CDL200001R0004	25	0.001
End caps 2-phase busbar	654302	PS-END3	2CDL200001R3001	50	0.001
Feeder terminal im combination with 1-phase busbar	962483	AST35/18DC	2CDL200130R3518	10	0.025
Feeder terminal im combination with 2-phase busbar	962490	AST35/45DC	2CDL200130R3545	10	0.032

²⁾ 1 pair (= left and right end cap)

Dimensional drawings

Description	A mm	B mm	C mm
PS1/60/30DC	17.6	1038	1050
PS1/39/30HDC	27.0	1026	1040
PS2/60/30DC	17.6	1038	1056
PS2/38/30HDC	27.0	999	1016

PS1...DC



PS2...DC

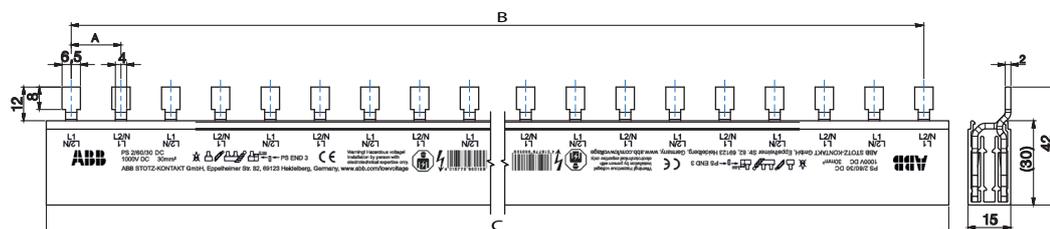




ABB Group
Electrification Products Division
BU Building Products

abb.com/lowvoltage

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG.

© Copyright 2017 ABB. All rights reserved.
Specifications subject to change without notice.