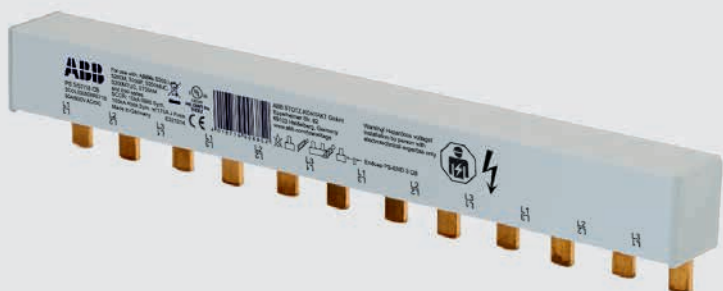


TECHNICAL DATA

Busbars PS...CB and accessories acc. to UL 508

For MCBs S200, S200M, S200P, S200MUC, S200MTUC, ST200M and fuse disconnectors E90



Busbars type PS...CB are used for quick and easy line side wiring of miniature circuit breakers acc. to UL1077 as well as fuse disconnectors E90. The entire product line, including the accessories, is approved according to UL508 (cULus) and can be used for applications in supplementary protection circuits in UL and CSA markets

Application and installation

- cULus listing according to UL 508
- For UL and CSA applications
- For use with MCB types acc. UL1077, ranges S200, S200M, S200P, S200MUC, S200MTUC, ST200M and fuse disconnectors E90
- Quick and easy installation
- Can be cut off to the required length
- Suitable for AC and DC applications
- Global use in UL , CSA , and IEC markets

Product range

- 1-, 2-, 3-pole types
- 18 mm² and 25 mm² cross section
- For MCBs with or without auxiliary contact
- Touch safe thanks to end caps and electric shock-protection caps installed over unused busbar pins
- Rated current max. 200 A
- Rated voltage acc. to UL
 - 1-phase: 1,000 V AC/DC
 - 2-/3-phase: 600 V AC/DC
- End caps, electric shock-protection caps and feeder terminals as accessories

Busbars PS...CB and accessories acc. to UL 508

Technical data

Technical data

			Busbars PS...CB	
Standards			UL508 IEC EN 60947-1	
Electrical data	Rated voltage U_e	V	1-phase 1,000 V AC/DC	2- / 3-phase UL: 600 V AC/DC IEC: 690 V AC/DC
	Current carrying capacity / phase (35 °C ambient temperature)	A	End feeding ¹⁾ Non-end feeding ¹⁾	18 mm ² 25 mm ² 80 A 100 A 160 A 200 A
	Short-circuit rating	kA	10 kA 3 cycles @ 480V / 100 kA Fuse Class J 175 A / 18 mm ² - 200 A / 25 mm ²	
Mechanical Data	Housing		Light gray, RAL 7035	
	Overvoltage category		III	
	Pollution degree		2	
Installation	Busbar cross section	mm ²	18 mm ² / 25 mm ²	
	Mounting position		Optional	
	Supply		Feed to the device's terminal (supply side optional) or use feeder terminal AST 35/15-1 CB; AST 35/15-2 CB; AST 35/38-1 CB; AST 35/38-2 CB; SZ-ESK SP	
Accessories	Electric shock-protection caps		BSK CB	
	Feeder terminals		AST 35/15-1 CB; AST 35/15-2 CB AST 35/38-1 CB; AST 35/38-2 CB SZ-ESK SP	
	End caps		PS-END 1 CB PS-END 3 CB	
Approvals			UL 508: cULus listed	
			CE and RoHS compliant	
			In addition to the approval of the busbar, the approval of the switching device used must also be considered.	
Installation instructions			When cutting the busbar, ensure that the insulation profile protrudes beyond the end of the copper bar by approx. 10 mm at each end. Electric shock-protection only ensured with end caps mounted.	

¹⁾ Irrespective of the current carrying capacity of the busbar, the max. rated current of the devices terminal must not be exceeded.

Busbars PS...CB and accessories acc. to UL 508

Ordering data

Busbars suitable for cutting

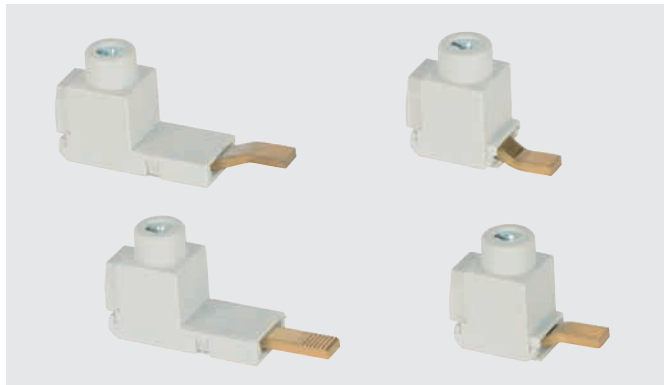
Bbn 40 16779					Weight 1 piece		Pack unit
Phases	mm ²	No. of pins	EAN	Type code	Order code	kg	pc.
1-phase busbars, pin distance 17.6mm, end caps PS-END 1 CB							
1	18	57	906760	PS 1/57/18 CB	2CDL210508R5718	0.289	10
1	25	57	906913	PS 1/57/25 CB	2CDL210508R5725	0.360	10
1-phase busbars, connection of 1-pole devices with auxiliary, end caps PS-END 1 CB							
1	18	37	906784	PS 1/37/18 H CB	2CDL210508R3718	0.254	10
1	25	37	906937	PS 1/37/25 H CB	2CDL210508R3725	0.310	10
2-phase busbars, pin distance 17.6mm, end caps PS-END 3 CB							
2	18	56	906807	PS 2/56/18 CB	2CDL220508R5618	0.639	10
2	25	56	906951	PS 2/56/25 CB	2CDL220508R5625	0.795	10
2-phase busbars, connection of 2-pole devices with auxiliary, end caps PS-END 3 CB							
2	18	46	906821	PS 2/46/18 H CB	2CDL220508R4618	0.672	10
2	25	46	906975	PS 2/46/25 H CB	2CDL220508R4625	0.782	10
3-phase busbars, pin distance 17.6mm, end caps PS-END 3							
3	18	57	906852	PS 3/57/18 CB	2CDL230508R5718	0.929	10
3	25	57	906999	PS 3/57/25 CB	2CDL230508R5725	1.026	10
3-phase busbars, connection of 3-pole devices with auxiliary, end caps PS-END 3 CB							
3	18	48	906876	PS 3/48/18 H CB	2CDL230508R4818	0.788	10
3	25	48	907019	PS 3/48/25 H CB	2CDL230508R4825	0.974	10
3-phase busbars, connection of 1-pole devices with auxiliary, end caps PS-END 3 CB							
3	18	39	906890	PS 3/39/18 H CB	2CDL230508R3918	0.794	10
3	25	39	907033	PS 3/39/25 H CB	2CDL230508R3925	0.974	10

Accessories

Bbn 40 16779					Weight 1 piece		Pack unit
	EAN	Type code	Order code		kg		pc.
Electric shock-protection cap							
	907095	BSK CB	2CDL200508R0011		0.008		10
Feeder terminals with pin contact							
for use with MCB and 1-phase busbar	907156	AST 35/15-2 CB	2CDL202508R3515		0.025		25
for use with MCB and 2-/3-phase busbar	067904	AST 35/38-2 CB	2CDL202508R3538		0.032		10
for use with E90 and 2-/3-phase busbar	907132	AST 35/38-1 CB	2CDL201508R3538		0.032		10
for use with E90 and 1-phase busbar	907118	AST 35/15-1 CB	2CDL201508R3515		0.025		25
Single-pole terminal, can be mounted side by side, feed to the busbar pin							
	710381	SZ ESK SP	2CDL200111R5001		0.032		50
End caps							
for use with PS 1...CB	907057	PS-END 1 CB	2CDL200508R0001		0.001		50
for use with PS 2...CB and PS3...CB	907071	PS-END 3 CB	2CDL200508R0003		0.002		50

Busbars PS...CB and accessories acc. to UL 508

Technical data feeder terminals



Feeder terminals AST..CB to connect copper wires up to a cross section of 50 mm² to DIN rail devices in pro M compact® system.

The terminals are cULus listed acc. to UL508 and can be used for applications in supplementary protection circuits in combination with UL/CSA approved miniature circuit breakers and E90 fuse disconnectors.

Technical data

		Feeder terminal AST..CB
Electrical data	Standards	UL508 / UL486A / CSA C22.2 / IEC 60999
	Rated voltage U _e	UL: 1,000 V AC/DC IEC: 1,000 V AC / 1,500 V DC
	Rated current I _e	UL: 115 A IEC: 160 A
Mechanical Data	Housing	PA66, gray RAL 7035
	Chassis	Brass
	Terminal screw	Steel, zinc-plated
	Protection degree	IP20
Installation	Cross section	Solid / stranded: 6..50 mm ² ; 10 AWG..1/0 AWG Flexible with ferrules: 6..35 mm ² ; 10 AWG..2 AWG
	Tightening torque	6 mm ² / 10 AWG: 4.0 Nm / 35 lbf-in 8 mm ² / 8 AWG: 4.5 Nm / 40 lbf-in 10..16 mm ² / 6..4 AWG: 5.1 Nm / 45 lbf-in 25..50 mm ² / 3..1/0 AWG: 5.5 Nm / 50 lbf-in*
		* Tightening torque acc. to UL486A, Table 21, Clauses 9.1.9.4 and 9.1.9.6
	Stripping length	~ 14 mm; 9/16"
	Conductor material	Copper
Approvals		UL508 CE, RoHS and REACH compliant
Instruction of installation		In addition to the approval of the feeder terminal, the approval of the switching device used must also be considered.
		The feeder terminals are single-phase. In case of a combination of multiple terminals with installation side by side, e.g. for multipole- or DC-applications, the required creepage and air leakage distances must be considered and observed.
		To ensure protection against electrical electric shock the pin length of the feeder terminal must not exceed the depth of the contact area of the connected device.
		Irrespective of the current carrying capacity of the feeder terminal the max. rated current of the devices terminal must not be exceeded.

Busbars PS...CB and accessories acc. to UL 508

Technical data feeder terminals

Order codes

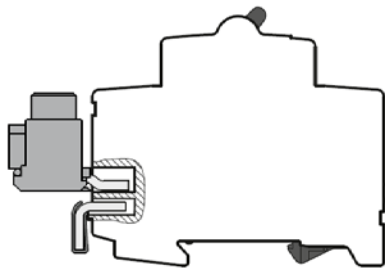
	Bbn 40 16779			Weight 1 piece	Pack unit
Feeder terminals with pin contact	EAN	Type code	Order code	kg	pc.
for use with MCB and 1-phase busbar	907156	AST 35/15-2 CB	2CDL202508R3515	0.025	25
for use with MCB and 2-/3-phase busbar	067904	AST 35/38-2 CB	2CDL202508R3538	0.032	10
for use with E90 and 2-/3-phase busbar	907132	AST 35/38-1 CB	2CDL201508R3538	0.032	10
for use with E90 and 1-phase busbar	907118	AST 35/15-1 CB	2CDL201508R3515	0.025	25

Busbars PS...CB and accessories acc. to UL 508

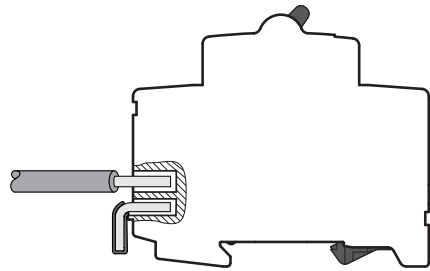
Installation of busbars and use of feeder terminals/cables for feed

Installation of busbars and use of feeder terminals/cables for feed

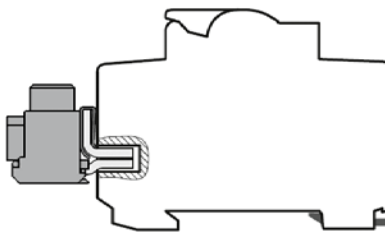
MCB with 1-phase busbar
Feeder terminal AST 35/15-2 CB



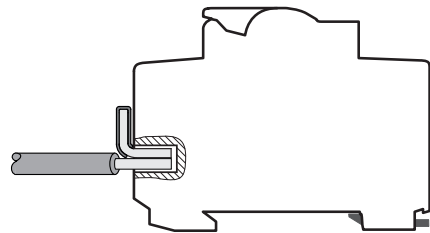
MCB with 1-phase busbar
Feed using cable



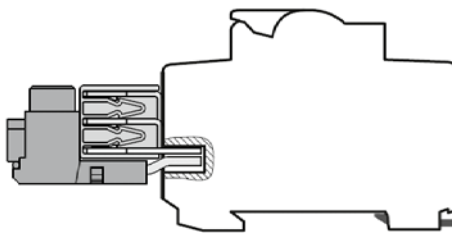
E90 with 1-phase busbar
Feeder terminal AST 35/15-1 CB



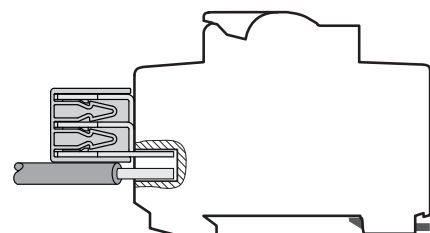
E90 with 1-phase busbar
Feed using cable



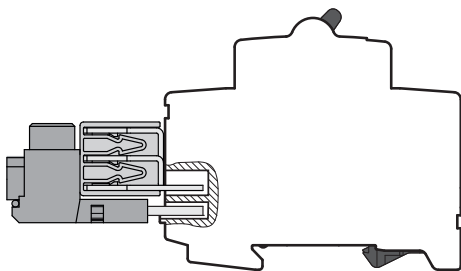
E90 with 2-/3-phase busbar
Feeder terminal AST 35/38-1 CB



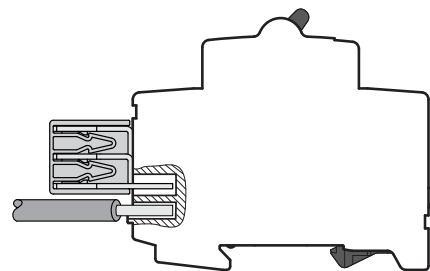
E90 with 2-/3-phase busbar
Feed using cable



MCB with 2-/3-phase busbar
Feeder terminal AST 35/38-2 CB



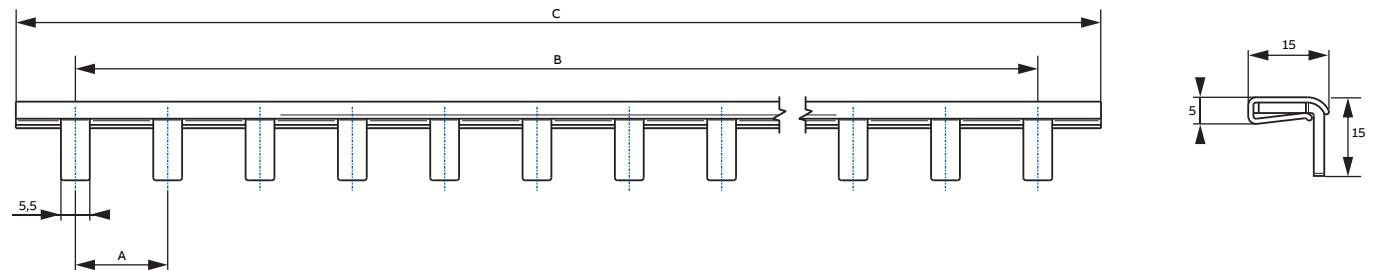
MCB with 2-/3-phase busbar
Feed using cable



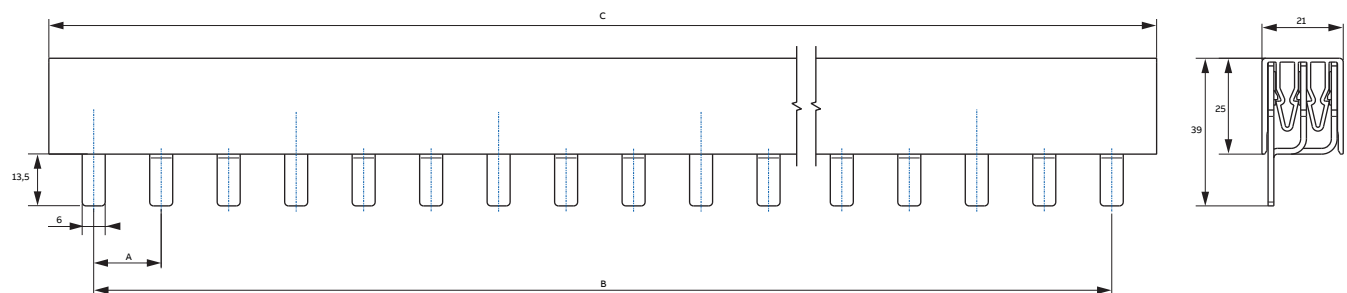
Busbars PS...CB and accessories acc. to UL 508

Overall dimensions

1-phase busbars



2-/3-phase busbars



Overall dimensions

Busbar	A mm	B mm	C mm
1-phase busbars			
PS 1/57/18 CB	17.6	986	1010
PS 1/57/25 CB	17.6	986	1010
PS 1/37/18 H CB	26.4	950	985
PS 1/37/25 H CB	26.4	950	985
2-phase busbars			
PS 2/56/18 CB	17.6	968	990
PS 2/56/25 CB	17.6	968	990
PS 2/46/18 H CB	17.6 / 26.4 *	968	1010
PS 2/46/25 H CB	17.6 / 26.4 *	968	990
3-phase busbars			
PS 3/57/18 CB	17.6	986	1010
PS 3/57/25 CB	17.6	986	1010
PS 3/48/18 H CB	17.6 / 26.4 *	924	982
PS 3/48/25 H CB	17.6 / 26.4 *	924	982
PS 3/39/18 H CB	26.4	1003	1040
PS 3/39/25 H CB	26.4	1003	1040

* pin gap for auxiliary

ABB STOTZ-KONTAKT GmbH

Eppelheimer Straße 82
69123 Heidelberg, Germany

Further information and local contacts:

www.new.abb.com/low-voltage

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