

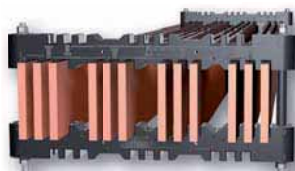


Busbar supports

Busbar

Enclosures
& accessories

new



Fixed interphase, SB C 15

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Insulators

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Adjustable interphase

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Stair type support

Function

SOCOMEK insulating busbar supports enable the fixing of copper or aluminium busbars.

Characteristics

Insulators

- Polyester without halogen.
- UL94 VO self-extinguishing.
- Colour red RAL 3002.
- Operating temperature from -40 to +130°C.
- Deformation under load temperature (ASTM D643): > 200°C.
- Dielectric constant (ASTM D150): 4/5.
- Arc resistance (ASTM D495): > 180 s.
- Water absorption (ASTM D570): < 0.3%.

Busbar supports

- High dielectric strength.
- High mechanical resistance.
- Amagnetism of assembly parts.
- High resistance to damp heat (supplied "with a conformal coating").

Stair type supports

- Thermoplastic material.
- VO self-extinguishing.
- Insulating voltage: 1000 V.

The solution for

- > Electrical distribution



Compliance with standards

- > IEC 61439-1
- > IEC 60865-1



Approvals and certifications⁽¹⁾

- > ASEFA/LCIE



(1) Product references on request.

Available on request

- > Please contact us

Software tool for size selection

Mechanical Systems is a software that can be utilised to size bar sets. It defines the configuration of the busbar system, including bar section and distance between supports, according to the required electrical characteristics of the panel in compliance with standard IEC 61439-1. The software runs on Windows® 95, 98, 2000, NT or XP.



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■ Hexagonal insulators unipolar flat mounting busbar supports

Female to female hexagonal insulator

References

Height H (mm)	Threading M	Depth		Diameter E (mm)	Pack qty	Reference
		D (mm)	Pu (mm)			
20	M4	8	5.5	19	1	5031 2004
20	M6	8	5.5	19	1	5031 2006
25	M6	10	7	21	1	5031 2506
30	M6	10	7	33	1	5031 3006
30	M8	12	9	33	1	5031 3008
35	M6	12	9	33	1	5031 3506
35	M8	12	9	33	1	5031 3508
35	M10	12	9	33	1	5031 3510
40	M8	15	12	40	1	5031 4008
40	M10	15	12	40	1	5031 4010
45	M8	15	12	41	1	5031 4508
45	M10	15	12	41	1	5031 4510
50	M8	20	17	46	1	5031 5008
50	M10	20	17	46	1	5031 5010
50	M12	20	17	46	1	5031 5012
60	M10	20	17	50	1	5031 6010
65	M10	20	17	55	1	5031 6510
70	M12	25	21	55	1	5031 7012

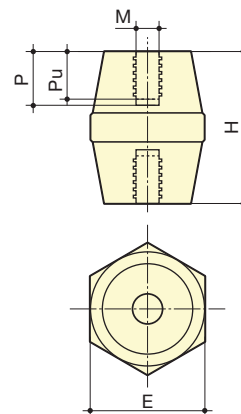


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Characteristics

Height H (mm)	Threading	Voltage Nominal (V) AC/DC	Insulation voltage (VAC) 50 Hz 1 min	Peak	Mechanical characteristics (daN) Flexion	Traction	Tightening torque max. (Nm)
20 (1)	M4	500	3000	5500	70	170	9
20	M6	500	3000	5500	100	190	8
25	M6	500	3000	5500	170	370	12
30	M6	1000	6000	11000	200	650	22
30	M8	1000	6000	11000	360	800	40
35	M6	1400	9000	16000	230	720	25
35	M8	1400	9000	16000	380	900	42
35	M10	1400	9000	16000	320	800	44
40	M8	2000	12000	21500	620	1200	50
40	M10	2000	12000	21500	620	1100	60
45	M8	2000	12000	21500	550	1200	55
45	M10	2000	12000	21500	550	1100	65
50	M8	2000	12000	21500	650	1800	60
50	M10	2000	12000	21500	650	1700	70
50	M12	2000	12000	21500	660	13000	130
60	M10	2400	12000	27000	560	1600	85
65	M10	2400	12000	27000	750	1600	90
70	M12	2400	12000	27000	750	1500	135

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C.
For other mounting configurations, please contact us.



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