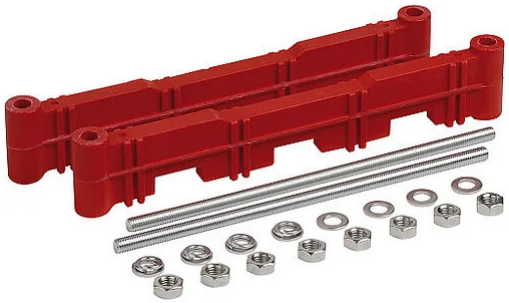
SPI 41

SA501400



Series of insulators suitable for use as busbar carrier elements in three-phase and three-phase plus neutral systems. The series consists of two families, each divided into four different sizes dimensionally related to the busbar sections: four for the three-phase system and four for the three-phase plus neutral system. The busbar insulator consists of two cross-bars with housing recesses, the widths of which - adjustable using a simple patented bracket spacer system - allow adaptation to different busbar sections while maintaining constant phase spacing. Supplied with threaded rods, washers and galvanised nuts for frame mounted and cross-bar tightening. Made of polyester or polyamide resin with a high percentage of glass fibres, they ensure long-term resistance to electrodynamic stress caused by fault currents and excellent performance in contaminated environments.

Technical specifications

Functional characteristics	
Arc resistance	> 120 s - ASTM D-495
Tracking resistance	> 300 min - ASTM D-2303
Shock resistance	25 kJ/m² - UNI 6062
Dielectric strength	12 kV/mm - UNI 4291
Operating voltage	750 / 900 AC / DC (V)
Rated withstand voltage at 50 Hz for 1 min	3 kV
Rated impulse withstand voltage	8 kV
Operating conditions	
Operating temperature range	-40 ÷ 130 °C
Mechanical features	
Water absorption	< 0,15% - UNI 4292
Physical features	
Color	Red RAL-3002
Material class	Self-extinguishing, class V0 (3.2 mm) according to UL-94 standard
Expansion coefficient	$2x10^{-5}$ °C - UNI 6061
Overall dimensions	
Height (A)	34 mm
Width (B)	213 mm
Other dimensions	
Dimension - D	17 mm
Dimension - E	196 mm
Dimension - F	40 mm
Dimension - G	40 mm

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Revision date: 2026-02-02

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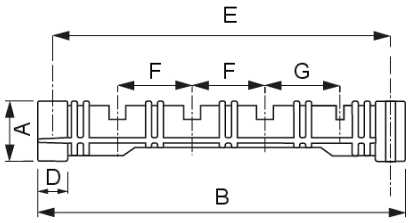
Dimensions	
Dimensions of bars	32x4 ÷ 63x5 (Phase - one-bar systems) 32x4 ÷ 63x4 (Neutral - one-bar systems)

Dimensions

Total View



Product variants

SPI 31
SA497500

SPI 32
SA498300

SPI 33
SA499100

SPI 34
SA500600

SPI 42
SA502200

SPI 43
SA503000

SPI 44
SA504800

Accessories compatible with the product

SB 010
SA477700

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2011/65/UE e 2015/863/UE (ROHS)
is declared with reference to the following Standards:

• EN IEC 61439-1 • EN IEC 63000

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