



Automatización Eléctrica
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Surge protection base element - VAL-MS 3+V-BE - 2905859


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Base element for surge arresters, for isolated 1000 V DC voltage systems, for DIN rail mounting, 4-pos. base element without remote indication contact, for protecting two parallel strings/MPP trackers.



Key Commercial Data

Packing unit	32 STK
Minimum order quantity	32 STK
GTIN	 4 055626 002804

Technical data

Dimensions

Height	90 mm
Width	71.2 mm
Depth	51.5 mm

Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 3000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g
Vibration (operation)	5g

General

Standards/specifications	EN 50539-11 2013
IEC test classification	PV T2
EN type	T2
Number of ports	One
SPD failure behavior	OCM (Only in combination with VAL-MS...DC-PV-ST)

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Technical data

General

Connection configuration	Y configuration
Installation location	Inside
Accessibility	Accessible
Installation location of the disconnect device	Internal
Mode of protection	(L+) - (L-)
	(L+) - PE
	(L-) - PE
Mounting type	DIN rail: 35 mm
Color	jet black RAL 9005
Housing material	PBT
Degree of pollution	2
Distance between live and grounded parts	8 mm
Flammability rating according to UL 94	V-0
Number of positions	2
Surge protection fault message	None

Additional descriptions

Note	The device is intended for touch proof installation in a housing. Ensure that there is a gap of at least 8 mm between the active and grounded parts in the connection area.
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Protective circuit DC voltage side (DC)

Maximum continuous operating voltage U_{CPV}	1170 V DC
Short-circuit current rating I_{SCPV}	1000 A
Rated load current I_L	80 A

Connection data

Connection method	Screw connection
Conductor cross section flexible min.	1.5 mm ²
Conductor cross section flexible max.	25 mm ²
Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG	15 ... 2
	10 ... 2 (UL)
Screw thread	M5
Tightening torque	4.5 Nm
	30 lb _F -in. (UL)
Stripping length	16 mm
Connection method	Biconnect terminal blocks
Conductor cross section flexible min.	1.5 mm ²
Conductor cross section flexible max.	16 mm ²
Screw thread	M5

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Technical data

UL connection data

Conductor cross section AWG	10 ... 2
Tightening torque	30 lb _r -in.

Classifications

eCl@ss

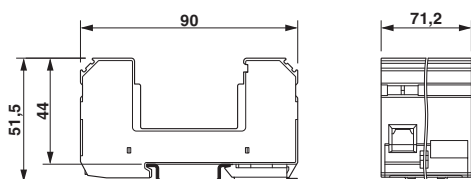
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ETIM

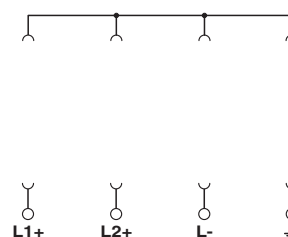
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Drawings

Dimensional drawing



Circuit diagram



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