

Type 2 surge protection device - VAL-MS+TE-AR 350 VF/P-FM - 2906320

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Why buy this product

- With floating remote indication contact
- Separate field and house wire termination.
- Tool-free field wire disconnect and test point.
- Isolated field and house wire (4-post equivalent)
- IP20 touch safe when connected.
- Zero leakage current

RoHS

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	230.000 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	113 mm
Width	17.7 mm
Depth	78 mm

Ambient conditions

Degree of protection	IP20
	IP20 (when disconnect closed)
Ambient temperature (operation)	-40 °C ... 80 °C

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Ambient conditions

Altitude	max. 3000 m
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
Shock (operation)	10g
Vibration (operation)	2g (0 ... 200 Hz)

General

Housing material	PA
Flammability rating according to UL 94	V0
Color	black
Total surge current (8/20) μ s	15 kA
Total surge current (10/350) μ s	3 kA
Mounting type	DIN rail mounting with additional retaining screw
Type	DIN rail module, two-section, divisible
Surge protection fault message	Optical, remote indicator contact
	Optical, remote indicator contact
Direction of action	1L-N/PE

Protective circuit

IEC test classification	II
	T2
EN type	T2
	T2
Maximum continuous operating voltage U_C	350 V AC
Nominal frequency f_N	50 Hz (60 Hz)
Rated load current I_L	55 A (with 6 AWG)
Max. discharge current I_{max} (8/20) μ s	20 kA
Nominal discharge current I_n (8/20) μ s	10 kA
Voltage protection level U_p	≤ 1.2 kV
Residual voltage	≤ 1 kV (at 5 kA)
Max. backup fuse with branch wiring	125 A (gG)
	125 A (gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
	25 kA

Connection, protective circuit

Conductor cross section AWG	15 ... 2 (UL)
	20 ... 6
	12 ... 4

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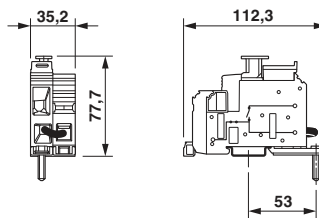
Technical data

Remote indication contact

Connection name	Remote fault indicator contact
Switching function	PDT, 1-pos.
Connection method	Screw connection
Screw thread	M2
Tightening torque	0.25 Nm
	2 lb _f -in. ... 4 lb _f -in. (UL)
Stripping length	7 mm
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
Maximum operating voltage U _{max.} AC	250 V AC
Max. operating current I _{max.}	1.5 A AC (250 V AC)
	1.5 A DC (30 V DC)

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 5.1	27130801
eCl@ss 6.0	27130802
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 4.0	EC002497
ETIM 5.0	EC000941

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Accessories

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Bridge

Wiring bridge - MPB 18/1-57 - 2809238



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 57-pos.

Wiring bridge - MPB 18/1- 2 - 2809209



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.

Wiring bridge - MPB 18/1-12 - 2748593



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 12-pos.

Plug-in bridge - FBS 2-18 - 2801068



Plug-in bridge for cross-connections in the VAL-MS BE-AR terminal center, 2-pos., color: Red

Insertion bridge

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Insertion bridge - EB 56-18 - 3009299



Insertion bridge, Pitch: 18 mm, Number of positions: 56, Color: gray

Screwdriver tools

Screwdriver - SZS 0,8X4,0 VDE - 1212508



Screwdriver, slot-headed, VDE insulated, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip