

Lightning/surge arrester type 1/2 - VAL-MS+TE-AR-T1/T2 75/P-FM - 2906321

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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.
- ✓ 12.5 kA lightning surge current

RoHS

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	294.400 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	112 mm
Width	17.7 mm

Ambient conditions

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

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Technical data

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	50 kA
Total surge current (10/350) μ s	15 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	L-L / L-PE

Protective circuit

IEC test classification	I / II
	I / II
	T1 / T2
	T1 / T2
EN type	T1 / T2
	T1 / T2
Maximum continuous operating voltage U_C	75 V DC
Maximum continuous operating voltage U_C (L-N)	75 V DC
Rated load current I_L	55 A (with 6 AWG)
Max. discharge current I_{max} (8/20) μ s	50 kA
Nominal discharge current I_n (8/20) μ s	12.5 kA
Voltage protection level U_p	≤ 0.7 kV
Residual voltage	≤ 0.6 kV (at 5 kA)
	≤ 0.65 kV (at 10 kA)
	≤ 0.7 kV
	≤ 0.55 kV (at 3 kA)
Max. backup fuse with branch wiring	160 A
	160 A

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Protective circuit

Short-circuit resistance I_p with max. backup fuse (effective)	500 A
	500 A

Connection, protective circuit

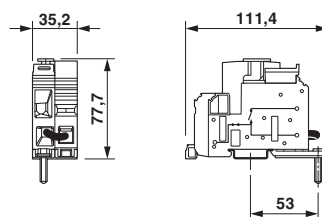
Conductor cross section AWG	15 ... 2 (UL)
	20 ... 6
	12 ... 4

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



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Classifications

eCl@ss

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

ETIM

ETIM 4.0	EC002497
ETIM 5.0	EC000381

Accessories

Accessories

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.

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Accessories

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

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

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Accessories

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