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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Type 2 surge protection base element - VAL-MS TE-AR/75X350/3EQP/FM - 2906324

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Assembly with base element for type 2 arresters of the VALVETRAB MS product range, with remote indication contact and field wire disconnect. Version for 3-mode protection of 2-wire signals. Pass through layout separates field and house wires.

Why buy this product

- With floating remote indication contact
- 3-Mode equalizer protection
- Field wire disconnect
- Pass-through for field-to-house isolation

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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Dimensions

Height	114 mm
Width	89 mm
Depth	78 mm
Horizontal pitch	5 Div.

Ambient conditions

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Technical data

Ambient conditions

Degree of protection	IP20
	IP20 (Only when all disconnects are closed)
Ambient temperature (operation)	-40 °C ... 80 °C

General

Housing material	PBT / PA
Flammability rating according to UL 94	V0
Color	black
Standards for clearances and creepage distances	EN 60664-1
	EN 61643-1
Mounting type	DIN rail mounting with additional retaining screw
Number of positions	3
Surge protection fault message	Optical, remote indicator contact
Direction of action	(L+)-PE & (L-)-PE & (L+)-(L-)

Protective circuit

IEC test classification	II
	T2
Nominal voltage U_N	5 V AC ... 48 V AC
Maximum continuous operating voltage U_C	60 V
Maximum continuous operating voltage U_C (L-PE)	230 V
	230 V
Rated load current I_L	80 A (Serial through wiring at 16 mm ²)
Residual current I_{PE}	$\leq 5 \mu A$
Max. discharge current I_{max} (8/20) μs	20 kA
Max. discharge current I_{max} (8/20) μs maximum (L-PE)	20 kA
Nominal discharge current I_n (8/20) μs (L-PE)	10 kA
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Response time t_A	≤ 25 ns
Max. backup fuse with branch wiring	200 A (gL / gG)
Max. backup fuse with V-type through wiring	80 A (gL / gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
	25 kA
Short-circuit current rating I_{SCCR}	10 kA (L-L)

Connection, protective circuit

Connection method	Screw terminal block
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Technical data

Connection, protective circuit

Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M5
Tightening torque	26.5 lb _F -in. ... 30 lb _F -in. (UL)
Stripping length	16 mm
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
Conductor cross section AWG	15 ... 2 (UL)
	20 ... 6
	12 ... 4

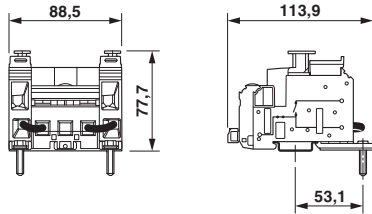
Remote indication contact

Connection name	Remote fault indicator contact
Switching function	PDT, 1-pos.
Connection method	MC 1,5/3
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
Maximum operating voltage U _{max} DC	30 V DC
Max. operating current I _{max}	1.5 A AC (250 V AC)

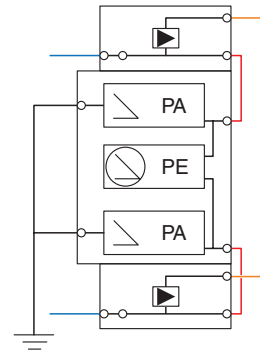
Drawings

Type 2 surge protection base element - VAL-MS TE-AR/75X350/3EQP/ FM - 2906324

Dimensional drawing



Circuit diagram



House wires shown as blue. Field wires shown as orange.

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

Accessories

Accessories

Bridge

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

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Accessories

Wiring bridge - MPB 18/1-57 - 2809238



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

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

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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

Spare parts

Type 2 surge protection plug - VAL-MS 75 VF ST - 2805318



Surge protection plug type 2 with series connection consisting of varistor and gas-filled spark gap for VAL-MS base element, thermal monitoring, visual fault warning.

Type 2 surge protection plug - VAL-MS 350 VF ST - 2856595



surge protection connector type 2 with series connection consisting of varistor and gas-filled spark gap for VAL-MS base element, thermal monitoring, visual fault warning. Design: 350 V AC