

Type 2 surge protection base element - VAL-MS-T1/T2 BE/O - 2905650

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Base element for type 1/2 arresters from the VALVETRAB MS T1/T2 product range. Version: 1-channel

Your advantages

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Versions with and without floating remote indication contact
- ✓ Rack-mount 2U panel applications
- ✓ Accepts Type 1 and Type 2 VAL-MS plugs.
- ✓ Coding when protective plug is inserted for the first time
- ✓ DIN rail mounting



Key Commercial Data

Packing unit	12 pc
Minimum order quantity	12 pc
GTIN	 4 046356 983006
GTIN	4046356983006

Technical data

Dimensions

Height	77.1 mm
Width	17.6 mm
Depth	89.2 mm

Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Altitude	max. 2000 m
Permissible humidity (operation)	5 % ... 95 %

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Technical data

Ambient conditions

Shock (operation)	25g
Vibration (operation)	5g

General

IEC test classification	I / II
	T1 / T2
EN type	T1 / T2
Mounting type	DIN rail: 35 mm
Color	black
Housing material	PBT
Degree of pollution	2
Flammability rating according to UL 94	V0
Type	Base element, DIN rail mounting
Number of positions	1
Surge protection fault message	none

Additional descriptions

Note	For installation into a touch protected cabinet. For applications with $U_c > 500$ V distances at the side and distances at the connection area must be minimum of 5 mm between different active parts including earthed parts.
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Protective circuit

Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_c	600 V AC
Rated load current I_L	80 A (with serial 16mm ² through wiring)
	80 A (with serial 16mm ² through wiring)
Short-circuit current rating I_{SCCR}	25 kA
Max. backup fuse with V-type through wiring	80 A AC (gL/gG)
Max. backup fuse with branch wiring	160 A (gL/gG)

Connection data

Connection method	Biconnect terminal blocks
Screw thread	M5
Tightening torque	30 lb _F -in. (UL)
Stripping length	16 mm
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 (IEC)
	10 ... 2 (UL)

UL specifications

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Technical data

UL specifications

SPD Type	4 (for Type 2 applications)
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Standards and Regulations

Standards/regulations	IEC 61643-1 2005
	EN 61643-11/A11 2007

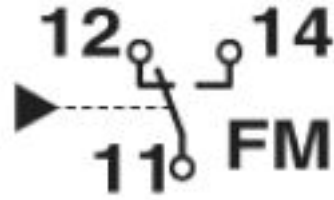
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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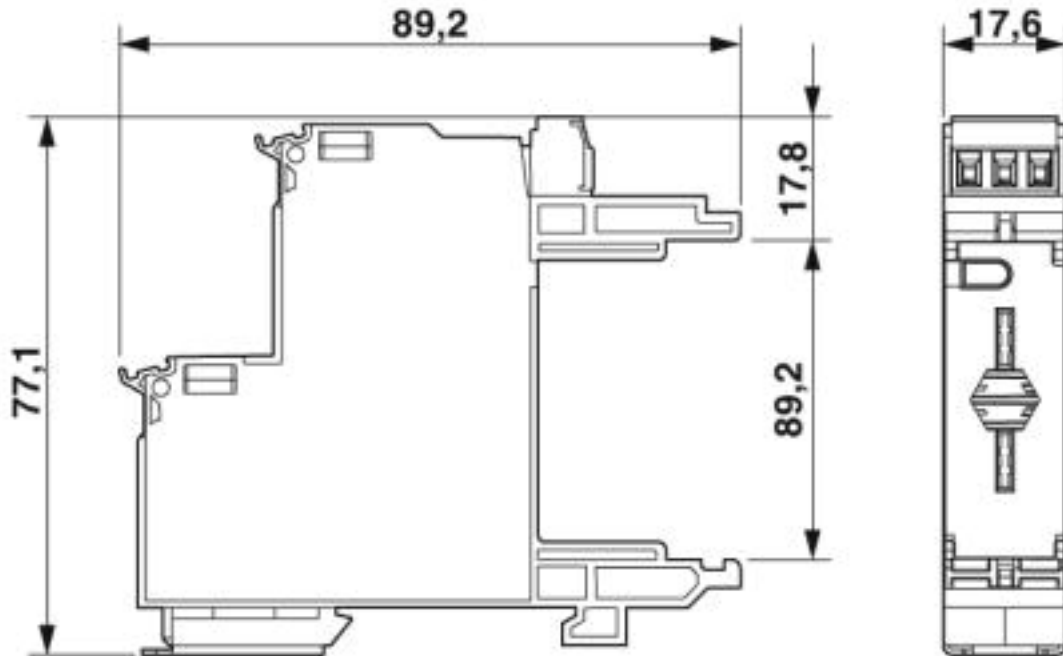
Circuit diagram



FM version shown

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Dimensional drawing



FM version shown

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
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Approvals

cULus Recognized



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