

2838898

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Base element for type 2 arresters of the VALVETRAB MS series of products, with remote indication contact. Version for 3-phase power supply with separate installation of N and PE conductors.

Your advantages

- · Quality proven millions of times over in the widest range of applications
- · Rapid installation with bridges, thanks to industry-standard overall width of 1 HP
- · Easy testing and insulation measurement, thanks to pluggable protection modules
- · Wide range of applications due to various nominal voltages
- · High degree of modularity provides individual solutions for every application

Commercial data

Item number	2838898
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL18
Product key	CL1321
Catalog page	Page 66 (C-4-2019)
GTIN	4017918171933
Weight per piece (including packing)	256.7 g
Weight per piece (excluding packing)	232.6 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Product properties

IEC test classification	II .
	T2
EN type	T2
Туре	Base element, DIN rail mounting
Product type	Base element
Product family	VALVETRAB MS
Number of positions	4
Surge protection fault message	Remote indication contact
Insulation characteristics	
Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal frequency f_N	50 Hz (60 Hz)
Indicator/remote signaling	
Connection name	Remote fault indicator contact
Switching function	Changeover contact
Operating voltage	5 V AC 250 V AC
	30 V DC

5 mA AC ... 750 mA AC

1 A DC

Connection data

Operating current

Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm² 16 mm²)
	4.5 Nm (25 mm² 35 mm²)
Stripping length	16 mm
Conductor cross section flexible	1.5 mm² 25 mm²
Conductor cross section rigid	1.5 mm² 35 mm²
Conductor cross section AWG	15 2
Connection method	Fork-type cable lug
Conductor cross section flexible	1.5 mm² 16 mm²

Remote fault indicator contact

Connection method	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross section flexible	0.14 mm² 1.5 mm²



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Conductor cross section rigid	0.14 mm² 1.5 mm²
Conductor cross section AWG	28 16

Dimensions

Dimensional drawing	96,7
Width	71 mm
Height	98.7 mm
Depth	65.7 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	4 Div.

Material specifications

Color	black (RAL 9005)
	Copper
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PBT
Material group	T
Housing material	PBT

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	3L-N & N-PE
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage U _C	500 V AC
Rated load current I _L	80 A
Short-circuit current rating I _{SCCR}	25 kA
Max. backup fuse with V-type through wiring	80 A (gG)
Max. backup fuse with branch wiring	125 A (gG)

Environmental and real-life conditions

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	≤ 2000 m (amsl)
Permissible humidity (operation)	5 % 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)



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Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)
approvals	
ppiovais	
UL specifications	
Nominal voltage	690 V AC
SPD Type	4CA
UL indicator/remote signaling	
Operating voltage	125 V AC
AC operating current	1 A AC
UL connection data	
Tightening torque	30 lb _f -in.
Conductor cross section AWG	14 2
tandards and regulations	
Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012
lounting	
Mounting type	DIN rail: 35 mm



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Classifications

ECLASS

	ECLASS-11.0	27130803	
	ECLASS-13.0	27171292	
ETIM			
	ETIM 9.0	EC002496	
	L11W 3.0	L0002490	
UNSPSC			
	UNSPSC 21.0	39121600	



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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