



Extract from the online
catalog

VAL-MS/3+1-BE/FM

Order No.: 2838898



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2838898>

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.

Commercial data

EAN	4017918171933
Pack	1 pcs.
Customs tariff	85363030
Weight/Piece	0.2552 KG
Catalog page information	Page 158 (NTK-2008)

Product notes

WEEE/RoHS-compliant since:
01/31/2006



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Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Standards

Housing material	PBT / PA
Inflammability class acc. to UL 94	V0
Color	black
Standards for air and creepage distances	DIN VDE 0110-1

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Degree of protection	IP20
Mounting type	DIN rail 35 mm
Design	DIN rail module, two-section, divisible
Number of positions	4
Ambient temperature (operation)	-40 °C ... 80 °C
Message surge protection faulty	Remote indicator contact
Direction of action	3L-N & N-PE
Width	70.80 mm
Height	51.50 mm
Length	99.00 mm
Pitch unit	4 Div.

Protective circuit

Arrester rated voltage U_c	450 V AC (L-L)
Arrester rated voltage U_c (L-N)	260 V AC
Arrester rated voltage U_c (N-PE)	260 V AC
Rated load current	80 A (Serial through wiring at 16 mm ²)
Max. required backup fuse with branch wiring	125 A (gL / gG)
Short circuit resistance I_{cc} with max. backup fuse (effective)	25 kA

Connection, protective circuit

Type of connection	Screw connection
Connection type IN	Biconnect screw terminal block
Connection type OUT	Biconnect screw terminal block
Screw thread	M5
Tightening torque, min	4.5 Nm
Stripping length	14.5 mm
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	25 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	2

Remote indicator contact

Connection name	Remote fault indicator contact
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Schaltfunktion_Int	PDT, 1-pos.
Type of connection	Screw connection
Screw thread	M2
Tightening torque, min	0.25 Nm
Stripping length	7 mm
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	0.14 mm ²
Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	0.14 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
Maximum operating voltage U _{max} AC	250 V
Maximum operating voltage U _{max} DC	30 V DC
Max. operating current I _{max}	0.75 A (250 V AC)
	3 A (125 V AC)
	2 A (30 V DC)
Min. permissible switching capacity	0.12 VA (12 V, 10 mA)
Environmental conditions	
Standards/regulations	IEC 61643-1
	DIN EN 61643-11
	DIN EN 61643-11/A11

Certificates / Approvals



Certification

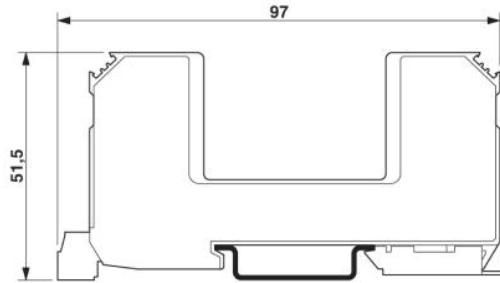
CB, CCA, CUL, GOST, KEMA, OEVE, UL

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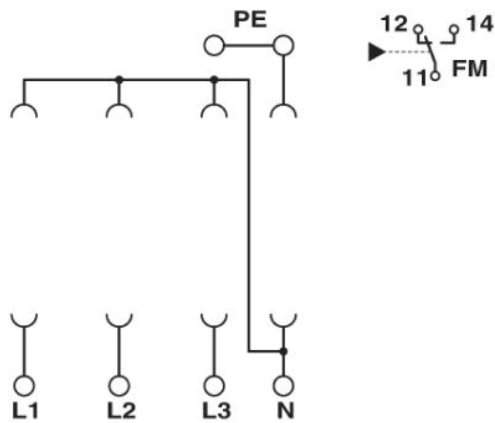
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Drawings

Dimensioned drawing



Circuit diagram



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Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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