

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Base element matches type 2 arresters of the VALVETRAB MS series, 5 pos. integrated remote signaling output for use with DC systems protection.

Commercial data

Item number	2908725
Packing unit	2 pc
Minimum order quantity	1 pc
Product key	CL1321
GTIN	4055626345208
Weight per piece (including packing)	309.85 g
Weight per piece (excluding packing)	309.85 g
Country of origin	CN

VAL-MS 4_V/BE/FM - Surge protection base-element



2908725

<https://www.phoenixcontact.com/us/products/2908725>

Technical data

Product properties

Product type	Base element
Product family	VALVETRAB MS
IEC test classification	PV II
	PV T1 / T2
EN type	T1 / T2
Type	Base element, DIN rail mounting
Number of positions	4
Installation location	Indoor
Accessibility	Accessible
End-of-life mode	OCM
Surge protection fault message	Optical, remote indicator contact

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Indicator/remote signaling

Operating voltage	5 V AC ... 250 V AC (30 V DC)
Operating current	5 mA AC ... 1.5 A AC (1 A DC)

Connection data

Connection method	Screw terminal block
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	16 mm
Conductor cross-section flexible	1.5 mm² ... 25 mm²
Conductor cross-section rigid	1.5 mm² ... 35 mm²
Connection method	MC 1,5/3 ST
Screw thread	M2
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-0
CTI value of material	600
Material group	I

VAL-MS 4_V/BE/FM - Surge protection base-element



2908725

<https://www.phoenixcontact.com/us/products/2908725>

Housing material	PBT
------------------	-----

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Protective circuit

Direction of action	(L+)-PE & (L-)-PE & (L+)-(L-)
---------------------	-------------------------------

Protective circuit DC voltage side (DC)

Insulation resistance R_{iso}	> 5 G Ω (at 500 V DC)
Maximum continuous operating voltage U_{CPV}	1170 V DC
Short-circuit current rating I_{SCPV}	2000 A

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %

Standards and regulations

Standards/specifications	EN 50539-11
Note	2013

Mounting

Mounting type	DIN rail: 35 mm
---------------	-----------------

VAL-MS 4_V/BE/FM - Surge protection base-element

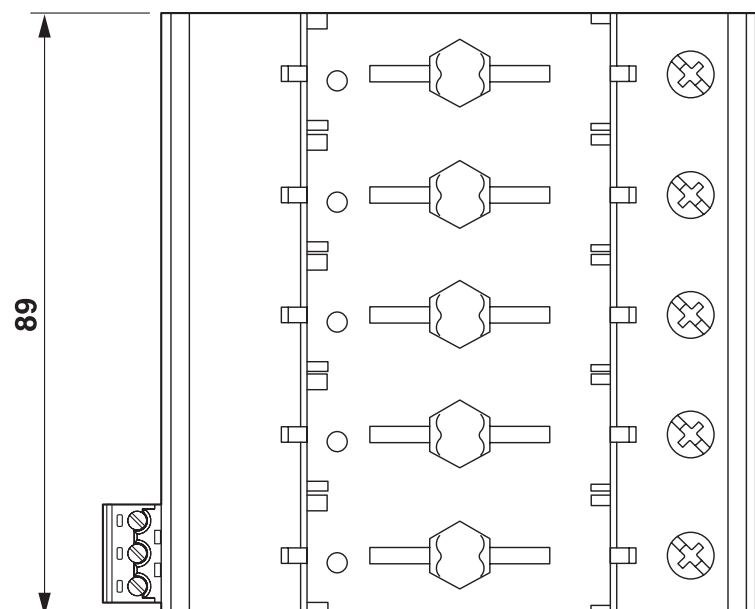
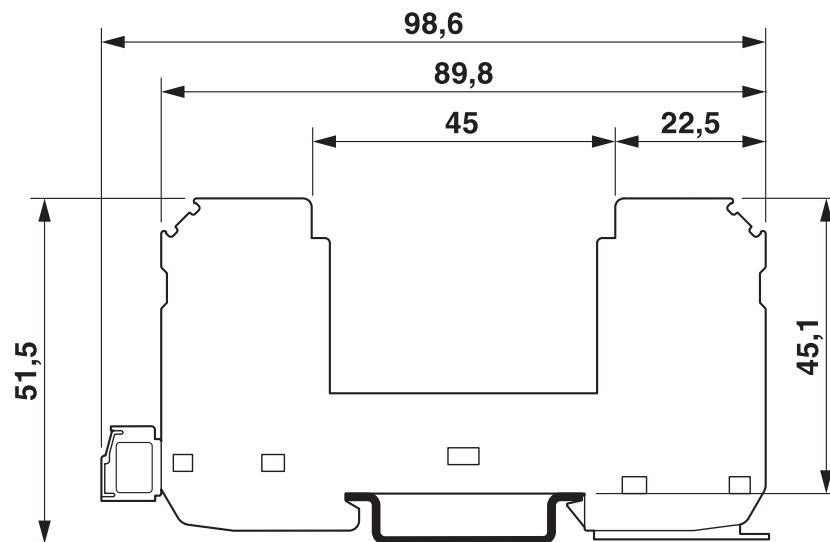
2908725

<https://www.phoenixcontact.com/us/products/2908725>

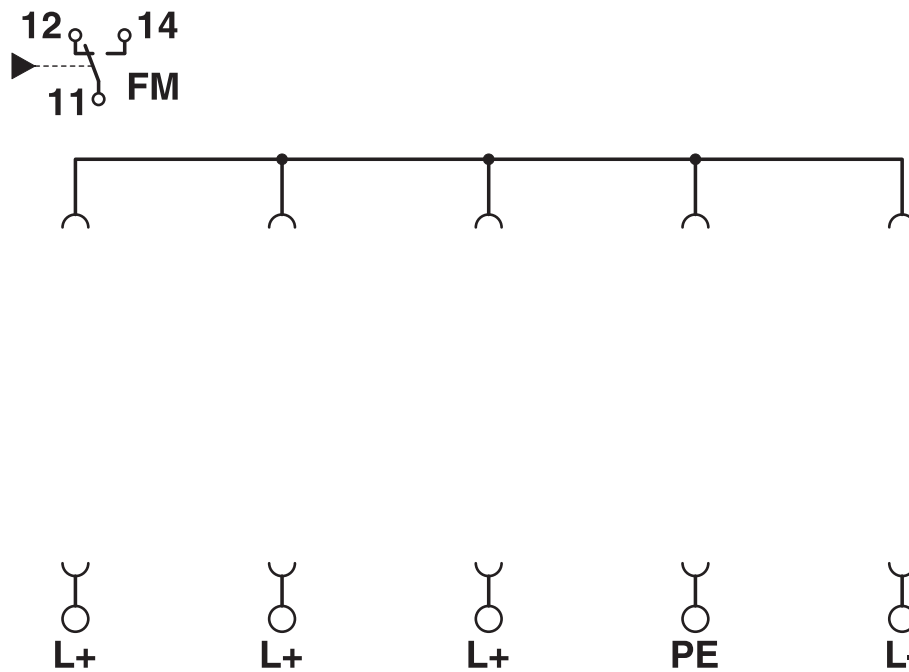


Drawings

Dimensional drawing



Circuit diagram



VAL-MS 4_V/BE/FM - Surge protection base-element



2908725

<https://www.phoenixcontact.com/us/products/2908725>

Classifications

ECLASS

ECLASS-13.0	27171292
ECLASS-15.0	27171292

ETIM

ETIM 9.0	EC002496
----------	----------

UNSPSC

UNSPSC 21.0	39121600
-------------	----------

VAL-MS 4_V/BE/FM - Surge protection base-element



2908725

<https://www.phoenixcontact.com/us/products/2908725>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com