



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

Type 2 surge protection base element - VAL-MS/1+1-BE - 2920528

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Base element for type 2 arresters of the VALVETRAB MS product range. Version for 1-phase power supply with separate installation of N and PE conductors.

Why buy this product

- Versions with and without floating remote indication contact
- Single/multi-position design for accommodating protective plugs
- DIN rail module
- Coding when protective plug is inserted for the first time



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 298988

Technical data

Dimensions

Height	90 mm
Width	35.6 mm
Depth	44 mm
Horizontal pitch	2 Div.

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 (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g
Vibration (operation)	5g

Type 2 surge protection base element - VAL-MS/1+1-BE - 2920528

Technical data

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	II
	T2
EN type	T2
Mounting type	DIN rail: 35 mm
Color	black
Housing material	PBT
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	DIN rail module, two-section, divisible
Number of positions	2
Surge protection fault message	None

Protective circuit

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 branch wiring	200 A AC (gG)
Max. backup fuse with V-type through wiring	80 A AC (gG)

Connection data

Connection method	Screw connection
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
	10 ... 2 (UL)
Screw thread	M5
Tightening torque	4.5 Nm
	30 lb _F -in. (UL)
Stripping length	16 mm

UL specifications

SPD Type	4 (for Type 2 applications)
Nom. voltage	690 V AC

UL indicator/remote signaling

Tightening torque	4 lb _F -in.
Conductor cross section AWG	30 ... 14

Type 2 surge protection base element - VAL-MS/1+1-BE - 2920528

Technical data

UL connection data

Conductor cross section AWG	10 ... 2
Tightening torque	30 lb _r -in.

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130803
eCl@ss 7.0	27130803
eCl@ss 8.0	27130803

ETIM

ETIM 2.0	EC000472
ETIM 3.0	EC000472
ETIM 4.0	EC000472
ETIM 5.0	EC000472

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

ÖVE / UL Recognized / KEMA-KEUR / cUL Recognized / GL / CCA / IECCEB Scheme / EAC / CSA / cULus Recognized

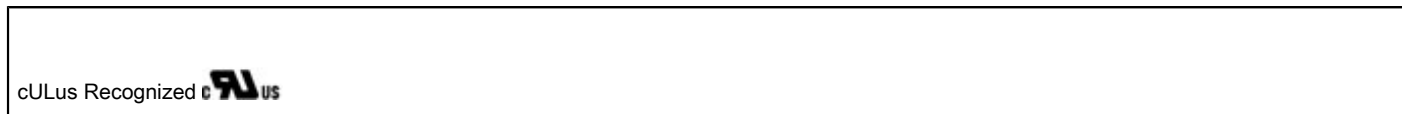
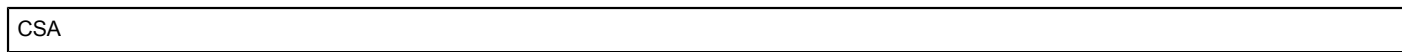
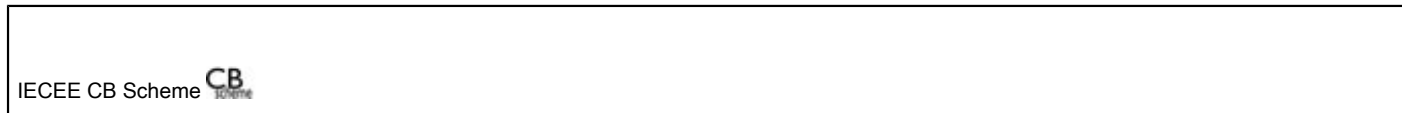
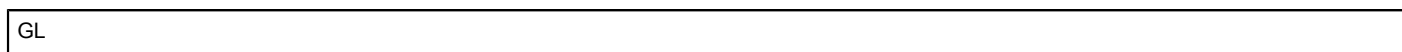
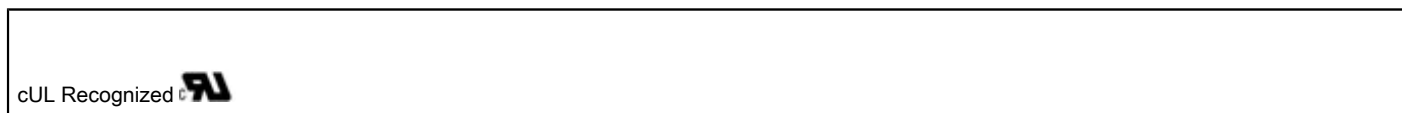
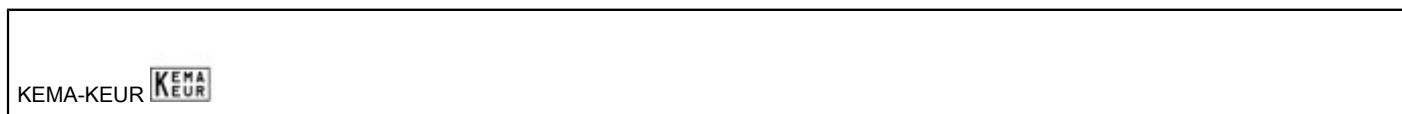
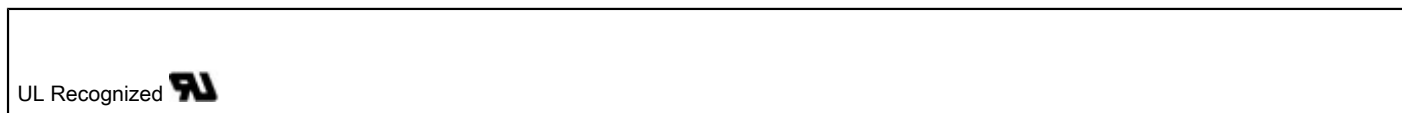
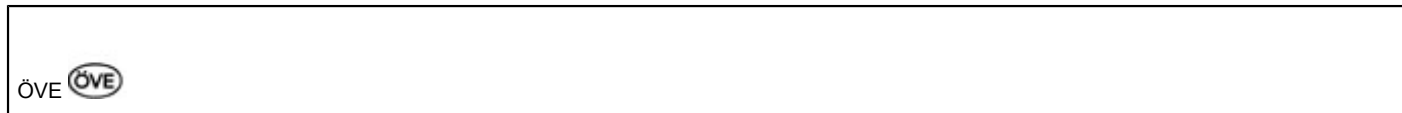
Ex Approvals

Approvals submitted

Approval details

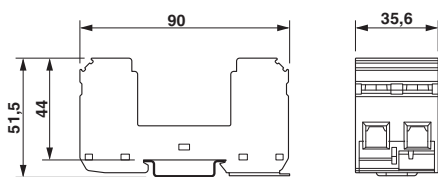
Type 2 surge protection base element - VAL-MS/1+1-BE - 2920528

Approvals



Drawings

Dimensional drawing



Circuit diagram



Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Base element for type 2 arresters of the VALVETRAB MS product range. Version for 1-phase power supply with separate installation of N and PE conductors.	2920528	VAL-MS/1 +1-BE	Buy on EAN