

Type 2 surge protection base element - VAL-MS BE - 2817741

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Base element for type 2 arresters of the VALVETRAB MS series of products. Design: 1-channel

Product Features

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

Key commercial data

package_quantity	10
GTIN	4017918148164

Technical data

Dimensions

Height	90 mm
Width	17.7 mm
Depth	52 mm
Pitch unit	1 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Altitude	max. 2000 m

General

Housing material	PA
Inflammability class according to UL 94	V0
Color	black
Mounting type	DIN rail: 35 mm
Design	DIN rail module, two-section, divisible
Number of positions	1
Message: Surge protection fault	None

Protective circuit

IEC test classification	II
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Technical data

Protective circuit

Nominal voltage U_N	500 V AC
Maximum continuous operating voltage U_c	600 V AC
Nominal frequency f_N	50 Hz (60 Hz)
Max. required backup fuse with branch wiring	125 A (gL/gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA

Connection, protective circuit

Connection method	Biconnect terminal blocks
Connection type IN	Biconnect screw terminal block
Connection type OUT	Biconnect screw terminal block
Connection method	Biconnect terminal block
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	16 mm
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded 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/kcmil min.	15
Conductor cross section AWG/kcmil max	2

Standards and Regulations

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

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
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classifications

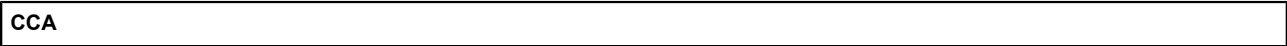
UNSPSC

UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

approvals

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

Approval details



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approvals



cULus Recognized us

accessories

Labeled device marker

ZBN 18,LGS:ERDE - 2749589



ZBN 18,LGS:L1-N,ERDE - 2749576



Device marking

ZBN 18:UNBEDRUCKT - 2809128



Marker pen

B-STIFT - 1051993



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accessories

Feed-through terminal block

DK-BIC-35 - 2749880



Bridge

MPB 18/1- 2 - 2809209



MPB 18/1- 3 - 2809212



MPB 18/1- 4 - 2809225



MPB 18/1- 6 - 2748564



Type 2 surge protection base element - VAL-MS BE - 2817741

accessories

MPB 18/1- 7 BU - 2856278



MPB 18/1- 8 BU - 2858470



MPB 18/1- 8 - 2748577



MPB 18/1- 9 - 2748580



MPB 18/1-12 - 2748593



MPB 18/1-57 - 2809238



Type 2 surge protection base element - VAL-MS BE - 2817741

accessories

MPB 18/3- 6 - 2809241



MPB 18/3- 9 - 2809254



MPB 18/4- 8 - 2809283



MPB 18/4-12 - 2809296



MPB F200X16/ 1GS - 2818339



Type 2 surge protection base element - VAL-MS BE - 2817741

accessories

MPB F400X16/ 1GS - 2818342



MPB F600X16/ 1GS - 2818355



MPB F600X16/ 1GS - 2818355



MPB F400X16/ 1GS - 2818342



MPB F200X16/ 1GS - 2818339



MPB 18/1-10/1.0.0 - 2830443



Type 2 surge protection base element - VAL-MS BE - 2817741

accessories

MPB 18/1-20/1.2.5 - 2830168



MPB 18/4-12 - 2809296



MPB 18/4- 8 - 2809283



MPB 18/3- 6 - 2809241



MPB 18/1-57 - 2809238



Type 2 surge protection base element - VAL-MS BE - 2817741

accessories

MPB 18/1-12 - 2748593



MPB 18/1- 9 - 2748580



MPB 18/1- 8 - 2748577



MPB 18/1- 6 - 2748564



MPB 18/1- 4 - 2809225



MPB 18/1- 3 - 2809212



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accessories

MPB 18/1- 2 - 2809209



accessories

ZBN 18:SO/CMS - 0800763



ZBN 18,LGS:L1-N,ERDE - 2830469



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Type 2 surge protection base element - VAL-MS BE - 2817741

accessories

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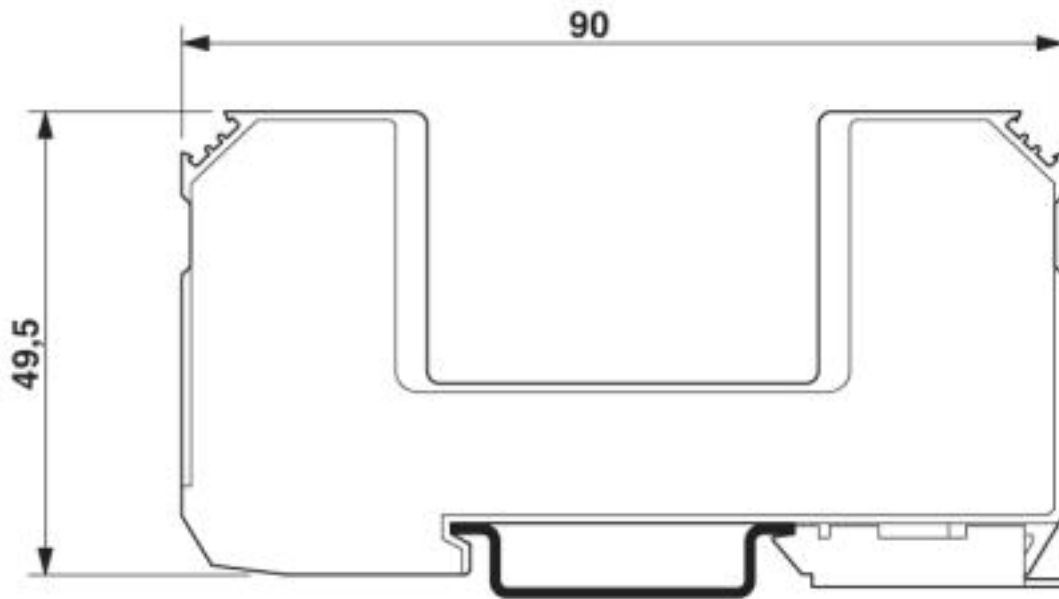
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Drawings

Type 2 surge protection base element - VAL-MS BE - 2817741

Dimensioned drawing



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Circuit diagram

