

Type 2 surge protection base element - VAL-MS BE/FM - 2817738

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Base element for type 2 arresters of the VALVETRAB MS series of products, with remote indication contact. Design: 1-channel

Product Features

- 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

package_quantity	10
GTIN	4017918148157

Technical data

Dimensions

Height	97 mm
Width	17.6 mm
Depth	44 mm
Horizontal pitch	1 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)	25 g
Vibration (operation)	5 g

General

Standards/specifications	IEC 61643-11 2011
Standards/specifications	EN 61643-11 2012
IEC test classification	II
IEC test classification	T2

Type 2 surge protection base element - VAL-MS BE/FM - 2817738

Technical data

General

EN type	T2
Mounting type	DIN rail: 35 mm
Color	black
Housing material	PA 6.6
Pollution degree	2
Inflammability class according to UL 94	V-0
Type	DIN rail module, two-section, divisible
Number of positions	1
Surge protection fault message	Remote indicator contact

Additional descriptions

Note	For installation into a touch protected cabinet. For applications with $U_c > 500$ V distances at the side and distances at the connection area must be minimum of 5 mm between different active parts including earthed parts.
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Protective circuit

Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_c	600 V AC
Rated load current I_L	80 A
Short-circuit current rating I_{SCCR}	25 kA
Max. required backup fuse with branch wiring	125 A AC (gG)
Max. required backup fuse with V-type through wiring	80 A AC (gG)

Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	PDT contact
Operating voltage	5 V AC ... 250 V AC
Operating voltage	125 V AC (UL)
Operating voltage	30 V DC
Operating current	5 mA AC ... 1 A AC
Operating current	1 A AC (UL)
Operating current	1 A DC
Connection method	Screw connection
Screw thread	M2
Tightening torque	0.25 Nm
Tightening torque	4 lb in (UL)
Stripping length	7 mm
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
AWG conductor cross section	28 ... 16
AWG conductor cross section	30 ... 14 (UL)

Type 2 surge protection base element - VAL-MS BE/FM - 2817738

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Connection data

Connection method	Screw connection
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
AWG conductor cross section	15 ... 2
AWG conductor cross section	10 ... 2 (UL)
Screw thread	M5
Tightening torque	4.5 Nm
Tightening torque	30 lb in (UL)
Stripping length	16 mm

NEMA/UL protective circuit

UL class	Type 4 SPD for Type 2 applications
Nominal voltage U _N	690 V AC

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

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

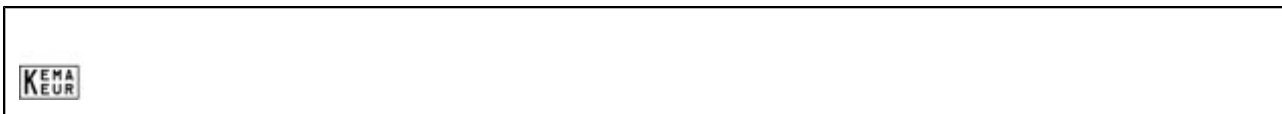
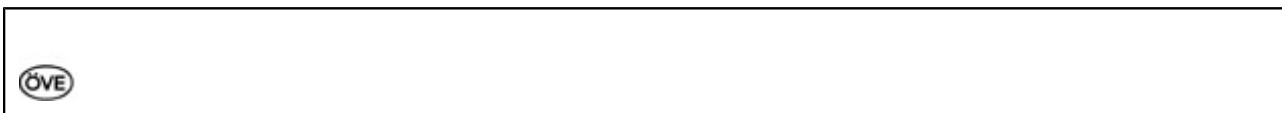
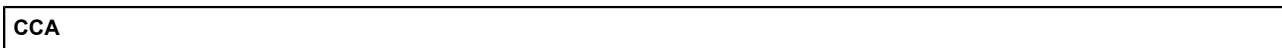
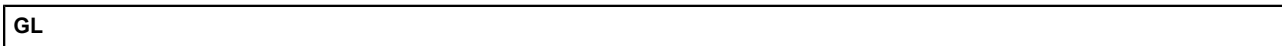
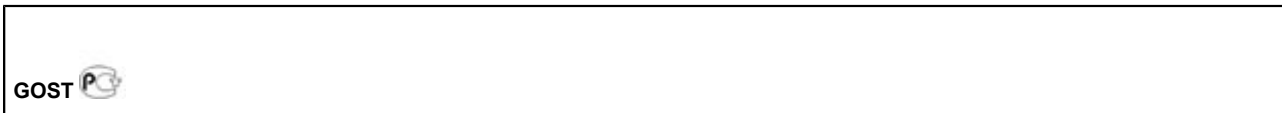
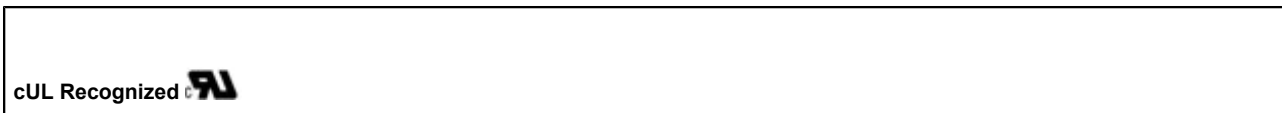
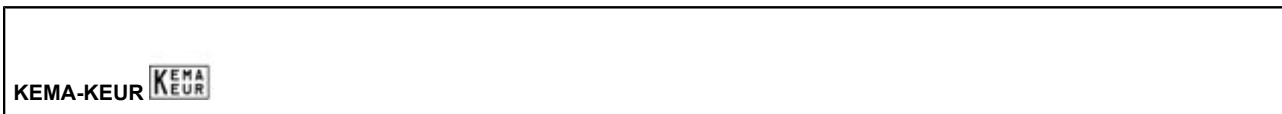
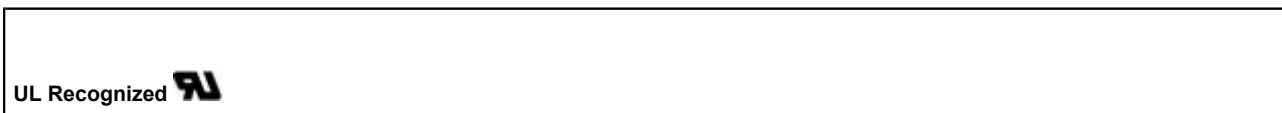
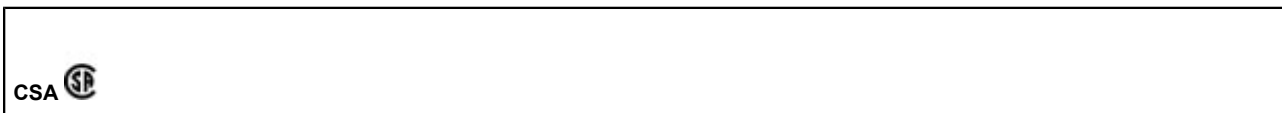
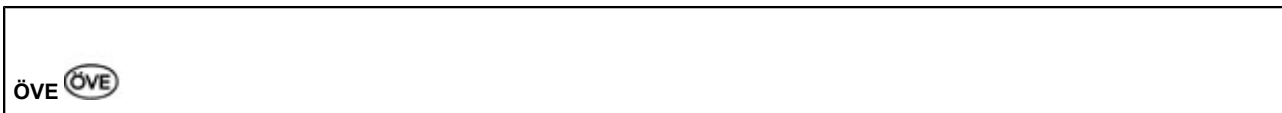
approvals

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

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approvals

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



Feed-through terminal block

Type 2 surge protection base element - VAL-MS BE/FM - 2817738

accessories

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



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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/FM - 2817738 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



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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



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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



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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



Type 2 surge protection base element - VAL-MS BE/FM - 2817738

accessories

MPB 18/1- 2 - 2809209



accessories

ZBN 18:SO/CMS - 0800763



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



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accessories

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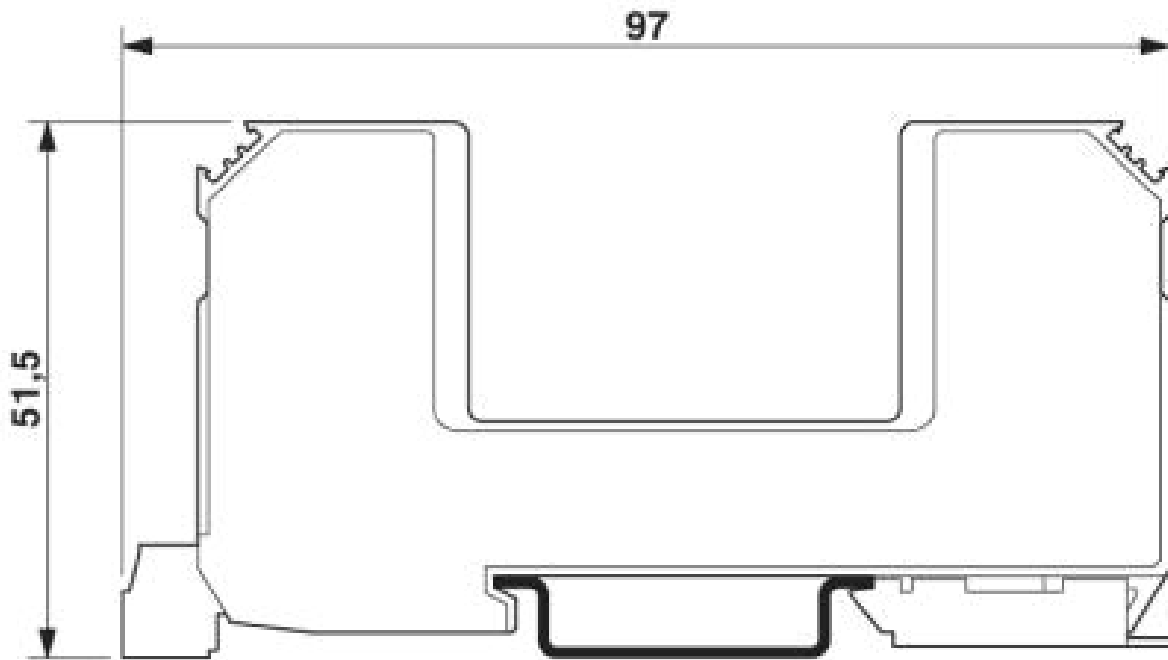
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Drawings

Type 2 surge protection base element - VAL-MS BE/FM - 2817738

Dimensioned drawing



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Circuit diagram

