

# Surge protection base element - VAL-MS-BE-PCB-FM - 1035864

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Single-channel base element for surge protective devices VAL-MS series type I and type II, for isolated and grounded voltage systems up to 1500 V DC and 690 V AC, for space-saving PCB installation, with integrated remote indication contact

## Your advantages

- With floating remote indication contact
- Single/multi-position design for accommodating protective plugs
- Coding when protective plug is inserted for the first time



## Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	
GTIN	4055626542430
Weight per Piece (excluding packing)	32.000 g
Custom tariff number	85363010
Country of origin	China
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Height	88 mm
Width	20 mm
Depth	53 mm (Without pin length)

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

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## Technical data

### Ambient conditions

Altitude	5000 m (basic insulation)
	3000 m ()
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
Shock (operation)	15g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	2g (10-500 Hz/2.5 h/XYZ)

### General

IEC test classification	I / II
EN type	T1 / T2
Installation location	Interior zone
Accessibility	Accessible
Mounting type	PCB mounting
Color	traffic grey A RAL 7042
Housing material	PA 6.6-FR 20% GF
Degree of pollution	2
Distance between live and grounded parts	16 mm
Flammability rating according to UL 94	V-0

### Protective circuit

Maximum continuous voltage $U_c$	760 V AC
Nominal discharge current $I_n$ (8/20) $\mu$ s	20 kA
Maximum discharge current $I_{max}$ (8/20) $\mu$ s	40 kA
Maximum discharge current $I_{max}$ (8/20) $\mu$ s (Shield-Earth)	12.5 kA
Max. backup fuse with branch wiring	250 A (gG)

### Indicator/remote signaling

Switching function	PDT contact
Operating voltage	5 V AC ... 30 V AC
	30 V DC
Operating current	5 mA AC ... 1 A AC
	1 A DC

### Standards and Regulations

Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012
	EN 50539-11 2013

## Classifications

### eCl@ss

eCl@ss 8.0	27130803
eCl@ss 9.0	27130803

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### Classifications

#### ETIM

ETIM 5.0	EC000472
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