

2920256

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Type 2 surge protection plug with a varistor for VAL-MS base element, thermal monitoring, visual fault warning. Design: 750 V AC

### Your advantages

- · Quality proven millions of times over in the widest range of applications
- · Rapid installation with bridges, thanks to industry-standard overall width of 1 HP
- · Easy testing and insulation measurement, thanks to pluggable protection modules
- · Can be used in high-performance industrial networks and wind turbine generators (stator) due to the high nominal voltage

### Commercial data

Item number	2920256
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL18
Product key	CL1321
Catalog page	Page 65 (C-4-2019)
GTIN	4046356157308
Weight per piece (including packing)	64.67 g
Weight per piece (excluding packing)	62 g
Customs tariff number	85363030
Country of origin	DE



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### Technical data

#### Notes

Note	For use in all low-voltage systems between L-PEN.  Only for use in IT systems between L-PE if the bodies of the equipment in the low-voltage system are connected to the grounding system of the transformer station. (common grounding of the HV transformer station and the bodies of the LV consumer's installation. R <sub>E</sub> = R <sub>A</sub> according to IEC 60364-4-442/VDE 0100-442 Figure 44D/example a)
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### Р

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IEC test classification	II
	T2
EN type	T2
IEC power supply system	TN
	IT
Туре	Male
Distance between live and grounded parts	8 mm
Product type	Replacement plug
Product family	VALVETRAB MS
Number of positions	1
Surge protection fault message	optical
Institution ob exactoristics	
Insulation characteristics	
Overvoltage category	III

Overvoltage category	III
Pollution degree	2

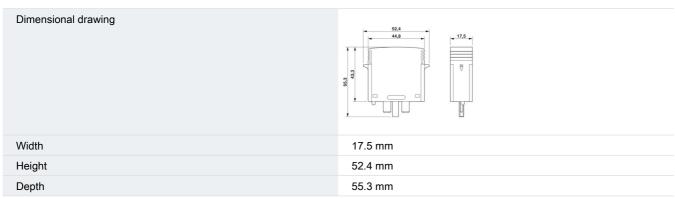
### Electrical properties

Nominal frequency f <sub>N</sub>	50 Hz (60 Hz)

### Connection data

Connection method pluggable	
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#### **Dimensions**





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Horizontal pitch

Total pitori	. 5
erial specifications	
Color	black (RAL 9005)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Material group	I
Housing material	PA 6.6
tective circuit	
Mode of protection	L-PE
Mode of proteotion	L-PEN
Direction of action	1L-N/PE
Nominal voltage U <sub>N</sub>	554/960 V AC (TN)
Tolling Tollago ON	690 V AC (IT)
Nominal frequency f <sub>N</sub>	50 Hz (60 Hz)
Maximum continuous voltage U <sub>C</sub>	760 V AC
Residual current I <sub>PE</sub>	≤ 0.5 mA
Standby power consumption P <sub>C</sub>	≤ 400.00 mVA
Nominal discharge current I <sub>n</sub> (8/20) µs	15 kA
Maximum discharge current I <sub>max</sub> (8/20) μs	30 kA
Short-circuit current rating I <sub>SCCR</sub>	25 kA
Voltage protection level U <sub>p</sub>	≤ 2.9 kV
Residual voltage U <sub>res</sub>	≤ 2.9 kV (at I <sub>n</sub> )
residual voltage ores	≤ 2.7 kV (at 10 kA)
	≤ 2.5 kV (at 5 kA)
	≤ 2.3 kV (at 3 kA)
TOV behavior at U <sub>T</sub>	1000 V AC (5 s / withstand mode)
TOV behavior at O <sub>T</sub>	1056 V AC (120 min / safe failure mode)
Posponeo timo t	≤ 25 ns
Response time t <sub>A</sub>	
Max. backup fuse with branch wiring	100 A (gG)
rironmental and real-life conditions	
mbient conditions	
Degree of protection	IP20
	IP20 -40 °C 80 °C
Degree of protection	
Degree of protection  Ambient temperature (operation)	-40 °C 80 °C
Degree of protection  Ambient temperature (operation)  Ambient temperature (storage/transport)	-40 °C 80 °C -40 °C 80 °C
Ambient temperature (operation)  Ambient temperature (storage/transport)  Altitude	-40 °C 80 °C -40 °C 80 °C ≤ 2000 m (amsl)

1 Div.

### Approvals



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#### UL specifications

Maximum continuous operating voltage MCOV (L-N)	750 V AC
Nominal discharge current I <sub>n</sub> (L-N)	10 kA
Mode of protection	L-N
Nominal voltage	690 V AC
Power distribution system	Single phase
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (L-N)	2700 V
SPD Type	4CA

### Standards and regulations

Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012

### Mounting

Mounting type	on base element



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### Classifications

### **ECLASS**

	ECLASS-11.0	27130890	
	ECLASS-13.0	27171292	
ETIM			
	ETIM 9.0	EC002496	
UN	NSPSC		

### ι

UNSPSC 21.0	39121600



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### Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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