

Type 2 surge protection plug - VAL-US-480D/30-P - 2910340

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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

- ✓ Plugs can be checked with CHECKMASTER
- ✓ Thermal disconnect device for each individual plug
- ✓ Pluggable
- ✓ Mechanical coding of all slots
- ✓ Consists of base element and plug
- ✓ Optical, mechanical status indication for the individual arresters



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 444826
GTIN	4055626444826

Technical data

Dimensions

Height	52.4 mm
Width	17.5 mm
Depth	55.3 mm
Horizontal pitch	1 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))

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Ambient conditions

Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x $\pm X$, $\pm Y$, $\pm Z$)
Vibration (operation)	5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

General

IEC test classification	II
	T2
EN type	T2
IEC power supply system	TN
Mode of protection	L-L
	L-PEN
Mounting type	on base element
Color	jet black RAL 9005
Housing material	PA 6.6
	PBT
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	Male
Number of positions	1
Surge protection fault message	optical

Protective circuit

Nominal voltage U_N	400/690 V AC (TN)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	580 V AC
Residual current I_{PE}	$\leq 500 \mu A$
Standby power consumption P_C	$\leq 150 \text{ mVA}$
Nominal discharge current I_n (8/20) μs	15 kA
Maximum discharge current I_{max} (8/20) μs	30 kA
Short-circuit current rating I_{SCCR}	25 kA
Voltage protection level U_p	$\leq 2.5 \text{ kV}$
Residual voltage U_{res}	$\leq 2.5 \text{ kV}$ (at I_n)
	$\leq 2.3 \text{ kV}$ (at 10 kA)
	$\leq 2.1 \text{ kV}$ (at 5 kA)
	$\leq 1.9 \text{ kV}$ (at 3 kA)
TOV behavior at U_T	690 V AC (5 s / withstand mode)
	762 V AC (120 min / withstand mode)
Max. backup fuse with branch wiring	100 A (gG)

Connection data

Connection method	VALVETRAB plug-in system
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Technical data

UL specifications

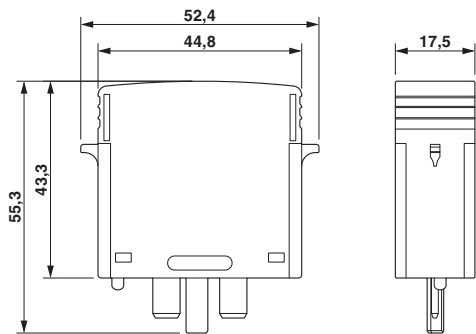
SPD Type	1CA
Maximum continuous operating voltage MCOV	580 V AC
Nom. voltage	480 V AC (Delta)
Mode of protection	L-L
	L-G
Power distribution system	1
Nominal frequency	50/60 Hz
Voltage protection rating VPR	2000 V
Nominal discharge current I _n	20 kA
Maximum Surge Current per Phase	30 kA
Short-circuit current rating (SCCR)	200 kA

Standards and Regulations

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

Drawings

Dimensional drawing



Circuit diagram



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

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Approvals

UL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 330181

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