

Surge protection plug - PT 2X1VA- 60AC-ST - 2839172

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Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual fault warning. Nominal voltage: 60 V AC

Illustration shows variant PT 2x1VA-230AC-ST

Product Features

- ✓ Plugs can be checked with CHECKMASTER
- ✓ Maximum ease of maintenance thanks to the two-piece design
- ✓ Base element remains an integral part of the installation
- ✓ Consistent plug-in signal circuit protection
- ✓ Protective devices for use in telecommunications and signaling networks according to IEC 61643-21
- ✓ Impedance-neutral disconnection of plug for test and maintenance purposes



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	27.01 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	45 mm
Width	17.7 mm
Depth	52 mm
Horizontal pitch	1 Div.
Complete module height	90 mm

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Technical data

Dimensions

Complete module width	17.7 mm
Complete module depth	65.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP20

General

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	IEC 60664-1
Mounting type	On base element
Type	DIN rail module, two-section, divisible
Direction of action	Line-Line & Line-Earth Ground
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00

Protective circuit

IEC test classification	C1
	C2
	C3
	D1
Nominal voltage U_N	60 V AC
Maximum continuous voltage U_C (wire-ground)	100 V DC
	75 V AC (50/60 Hz)
Nominal current I_N	26 A AC (30 °C)
	3 A DC
Operating effective current I_C at U_C	≤ 1.5 mA (per path)
Residual current I_{PE}	≤ 3 mA
Impulse discharge current (10/350) μ s, peak value I_{imp}	500 A (per path)
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 200 V
Energy absorption, asymmetrical	40 J
Voltage protection level U_p (Core-Earth)	≤ 300 V (C2 - 4 kV/2 kA)
	≤ 220 V (C3 - 100 A)
	≤ 250 V (C1 - 1.4 kV / 0.7 kA)
Response time t_A (Core-Earth)	≤ 25 ns
Input attenuation a_E , asym.	typ. 0.3 dB (≤ 150 kHz / 150 Ω)
Cut-off frequency f_g (3 dB), asym. (GND) in 150 Ohm system	typ. 600 kHz
Capacity (Core-GND)	typ. 4 nF

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Technical data

Protective circuit

Surge protection fault message	Optical, remote indicator contact
Max. required back-up fuse	25 A (gL/gG)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C1 (1,4 kV / 0,7 kA)
	C2 (4 kV / 2 kA)
	C3 (100 A)
	D1 (500 A)

Connection data

Connection method	Screw connection (in connection with the base element)
Connection type IN	PLUGTRAB plug-in system
Connection type OUT	PLUGTRAB plug-in system
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

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	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

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Classifications

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

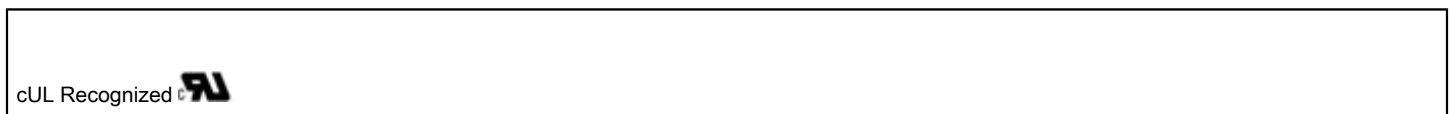
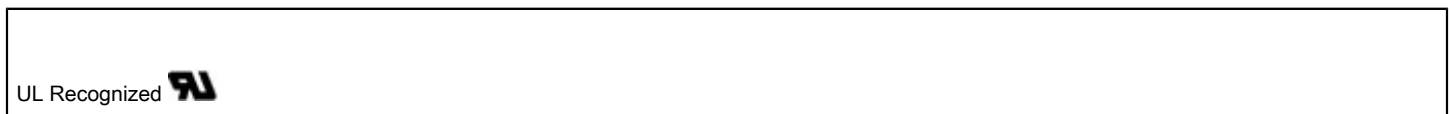
Approvals

GOST / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

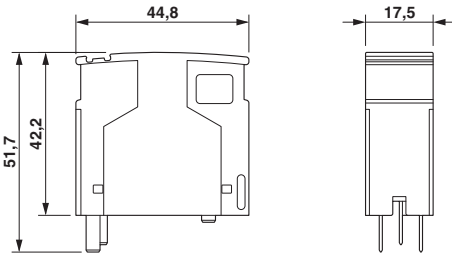
Approval details



Drawings

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Dimensioned drawing



Circuit diagram

