

Type 3 surge protection plug - PT 2+1-S-48DC-ST - 2839648

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Protective plug PT with device surge protection for power supply units, visual fault warning. Nominal voltage: 48 V AC

The illustration shows version PT
2-PE/S-230 AC-ST

Product Features

- ✓ Plugs can be checked with CHECKMASTER
- ✓ Tool-free plug replacement
- ✓ With floating remote indication contact
- ✓ DIN rail module
- ✓ Consists of base element and plug
- ✓ Optical signaling of disconnection via LED
- ✓ For single and multi-phase power supply units



Key commercial data

package_quantity	10
GTIN	4017918193713

Technical data

Dimensions

Height	45 mm
Width	17.7 mm
Depth	52 mm
Pitch unit	1 Div.
Height	90 mm
Width	17.7 mm
Depth	65.5 mm

Ambient conditions

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

General

Housing material	PA
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Technical data

General

Inflammability class according to UL 94	V0
Color	black
Design	DIN rail module, two-section, divisible
Mounting type	On base element
Number of positions	2
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE

Protective circuit

IEC test classification	III
IEC test classification	T3
EN type	T3
Nominal voltage U_N	48 V DC
Arrester rated voltage U_C	60 V DC
Nominal current I_N	26 A (30 °C)
Operating effective current I_C at U_C	$\leq 10 \mu A$
Residual current I_{PE}	$\leq 10 mA$
Nominal discharge current I_n (8/20) μs	500 A
Max. discharge current I_{max} (8/20) μs	500 A
Combined surge U_{OC}	6 kV (for 12 Ω)
Voltage protection level U_P (L-N)	$\leq 120 V$
Voltage protection level U_P (L-PE)	$\leq 120 V$
Voltage protection level U_P (N-PE)	$\leq 120 V$
Response time t_A	$\leq 1 ns$
Max. required back-up fuse	25 A (gL)
Message: Surge protection fault	Optical

Standards and Regulations

Standards/specifications	IEC 61643-1 2005
Standards/specifications	EN 61643-11/A11 2007
Standards/specifications	BS 6651
Standards/specifications	IEEE C62.41
Standards/specifications	EN 50082-2

classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801

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classifications

eCl@ss

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	EC001473

UNSPSC

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

approvals

UL Recognized / cUL Recognized / GOST / CSA / cULus Recognized /

Approval details

UL Recognized 

cUL Recognized 

GOST 

CSA

cULus Recognized 

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accessories

Marker pen

X-PEN 0,35 - 0811228



Terminal marking

ZBF 5:UNBEDRUCKT - 0808642



ZBF 5/WH-100:UNBEDRUCKT - 0808668



Labeled terminal marker

ZBF 5,LGS:FORTL.ZAHLEN - 0808671



ZBF 5,LGS:GERADE ZAHLEN - 0810821



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accessories

ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



ZBF 5,QR:FORTL.ZAHLEN - 0808697



Device marking

ZBN 18:UNBEDRUCKT - 2809128



accessories

ZBF 15:SO/CMS - 0814717



ZBF 5:SO/CMS - 0808707



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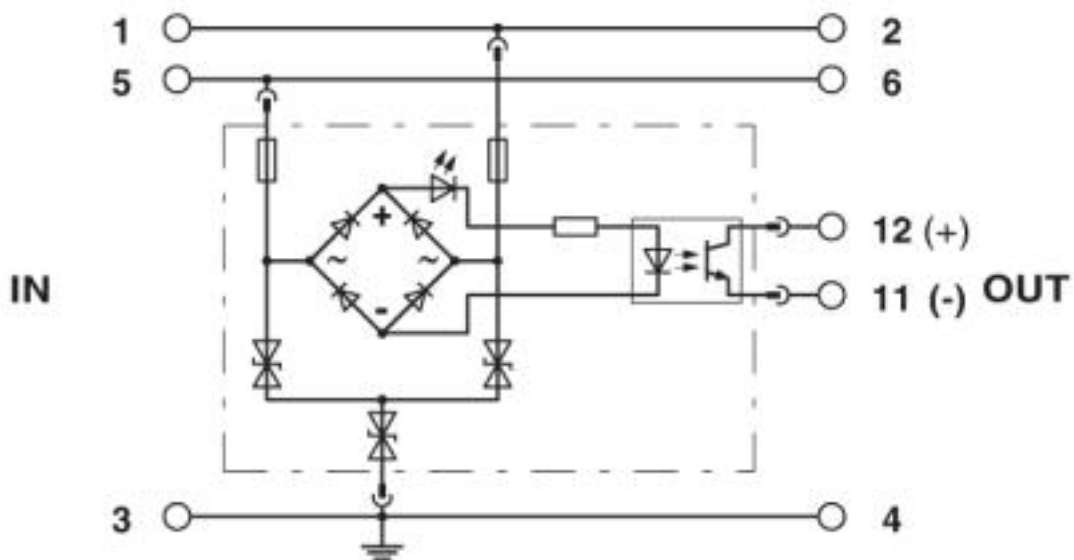
accessories

ZBN 18:SO/CMS - 0800763



Drawings

Circuit diagram



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