

Type 3 surge protection connector - 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

Why buy this product

- 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

Packing unit	1
Minimum order quantity	1
Catalog page	Page 53 (TT-2011)
GTIN	 4 017918 193713
Custom tariff number	85363030
Country of origin	GERMANY

Technical data

Standards

Housing material	PA
Inflammability class according to UL 94	V0
Color	black
Degree of protection	IP20
Design	DIN rail module, two-section, divisible
Mounting type	On base element
Number of positions	2

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Technical data

Standards

Ambient temperature (operation)	-40 °C ... 85 °C
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE
Width	17.7 mm
Height	45 mm
Depth	52 mm
Pitch unit	1 Div.

Protective circuit

IEC category	III
IEC category	T3
EN type	T3
Nominal voltage UN	48 V DC
Arrester rated voltage UC	60 V DC
Nominal current IN	26 A (30 °C)
Operating effective current IC at UC	≤ 10 µA
Ground conductor current IPE	≤ 10 mA
Nominal discharge surge current In (8/20) µs	500 A
Max. discharge surge current Imax (8/20) µs	500 A
Combined surge UOC	6 kV (for 12 Ω)
Protection level UP (L-N)	≤ 120 V
Protection level UP (L-PE)	≤ 120 V
Protection level UP (N-PE)	≤ 120 V
Response time tA:	≤ 1 ns
Max. required back-up fuse	25 A (gL)
Message: Surge protection fault	Optical

Standards

Standard - Electrical safety	IEC 61643-1 2005
Standard - Electrical safety	EN 61643-11/A11 2007
Standard - Electrical safety	BS 6651
Standard - Electrical safety	IEEE C62.41
Standard - Electrical safety	EN 50082-2

Classifications

eclass

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

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Classifications

etim

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943

unspsc

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

Approvals

Approvals

Approvals

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


Ex Approvals

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 
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GOST 
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CSA

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Approvals

cULus Recognized 

Accessories

Accessories

Marking

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

Zack Marker strip, flat - ZBF 5/WH-100:UNBEDRUCKT - 0808668



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, Labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

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Accessories

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, Labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, Labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, Labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Drawings

Circuit diagram

