

Surge protection device - TT-STTB-F-PE - 2858205

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Spring-cage terminal block with PE foot and gas-filled surge arrester as coarse protection, for mounting on NS 35/7,5



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 877910
GTIN	4017918877910
Weight per Piece (excluding packing)	22.080 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	83.7 mm
Width	6.2 mm
Depth	47.4 mm

Ambient conditions

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

General

Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005

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Technical data

General

Standards for clearances and creepage distances	VDE 0110-1
Mounting type	DIN rail: 35 mm
Type	Double-level terminal block with PE foot
Direction of action	Line-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	D1
Nominal voltage U_N	30 V DC
	110 V AC
Maximum continuous voltage U_C	30 V DC
	110 V AC
Rated current	2 A AC
	300 mA DC
Operating effective current I_C at U_C	$\leq 2 \mu A$
Residual current I_{PE}	$\leq 2 \mu A$
Nominal discharge current I_n (8/20) μs (line-earth)	5 kA
Pulse discharge current I_{imp} (10/350) μs (line-earth)	0.5 kA
Total discharge current I_{total} (8/20) μs	5 kA
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 650 V$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 650 V$
Voltage protection level U_p (line-earth)	$\leq 900 V$ (C2 - 10 kV / 5 kA)
Response time t_A (line-earth)	$\leq 100 ns$
Capacity (line-earth)	2 pF (1 MHz)
Surge protection fault message	none
Max. required back-up fuse	2.5 A AC (F)
	315 mA DC (F)
Impulse durability (line-earth)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	D1 - 500 A
Alternating current carrying capacity (line-earth)	2.5 A - 1 s

Connection data

Connection method	Spring-cage connection
Connection method IN	Spring-cage
Connection method OUT	Spring-cage
Conductor cross section flexible	0.5 mm ² ... 4 mm ²

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Connection data

Conductor cross section solid	0.5 mm ² ... 6 mm ²
Conductor cross section AWG	20 ... 10

Standards and Regulations

Standards/specifications	IEC 61643-21 2000
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Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943

UNSPSC

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

Accessories

Accessories

End cover

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Accessories

End cover - TT-D-STTB BK - 2858496



End cover for TERMITRAB TT-STTB-..., width: 2.2 mm, color: Black

Labeled terminal marker

Zack Marker strip, flat - ZBF 6,LGS:FORTL.ZAHLEN - 0808749



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

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Accessories

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Partition plate

Partition plate - ATP-STTB 4 - 3030747



Partition plate, length: 88.7 mm, width: 2 mm, height: 53 mm, color: gray

Terminal marking

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm

Zack Marker strip, flat - ZBF 6/WH-100:UNBEDRUCKT - 0808736



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm

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Accessories

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Additional products

End cover - TT-D-STTB BK - 2858496



End cover for TERMITRAB TT-STTB-..., width: 2.2 mm, color: Black

Partition plate - ATP-STTB 4 - 3030747



Partition plate, length: 88.7 mm, width: 2 mm, height: 53 mm, color: gray

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

