

TT-STTB-12

Order No.: 2858166



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Spring-cage terminal block with suppressor diode as fine surge protection, nominal voltage 12 V DC, for mounting on NS 35/7.5

Commercial data	
GTIN (EAN)	 4 017918 877859
Note	Made-to-order
sales group	J300
Pack	25 pcs.
Customs tariff	85363010
Catalog page information	Page 110 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
05/10/2006



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Technical data	
General	
Housing material	PA 6.6
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	IEC 60664-1: 1992-10
	VDE 0110-1
Total surge current (8/20) μ s	245 A
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	DIN rail: 35 mm
Design	Double-level terminal block
Degree of protection	IP20
Direction of action	Line-Line
Width	6.20 mm
Height	47.50 mm
Length	83.50 mm

Protective circuit

IEC category	C3
VDE requirement class	C3
Nominal voltage U_N	12 V DC
Maximum continuous operating voltage U_c	18 V DC
	13 V AC
Maximum continuous voltage U_C (wire-wire)	18 V DC
	13 V AC
Nominal current I_N	32 A (60°C)
Operating effective current I_c at U_c	$\leq 5 \mu$ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	245 A
Total surge current (8/20) μ s	245 A
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Core)	245 A
Nominal pulse current I_{an} (10/1000) μ s (Core-Core)	49 A
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 30 V
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 30 V
Residual voltage at I_n , (conductor-conductor)	≤ 40 V
Residual voltage with I_{an} (10/1000) μ s (conductor-conductor)	≤ 30 V
Protection level U_p (Core-Core)	28 V (C3 (25 A))
Response time t_A (Core-Core)	≤ 1 ns

Input attenuation aE, sym.	0.1 dB (\leq 200 kHz/150 Ω)
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	Typ. 1.5 MHz
Capacity (Core-Core)	2.5 nF (With 1 MHz)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C3 (25 A)

Connection data

Connection method	Spring-cage connection
Connection type IN	Spring-cage
Connection type OUT	Spring-cage
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals

Certification

GOST

Accessories

Item	Designation	Description
Assembly		
3030747	ATP-STTB 4	Partition plate, Length: 88.7 mm, Width: 2 mm, Height: 53 mm, Color: gray
General		
2858496	TT-D-STTB BK	End cover for TERMITRAB TT-STTB-..., width: 2.2 mm, color: Black

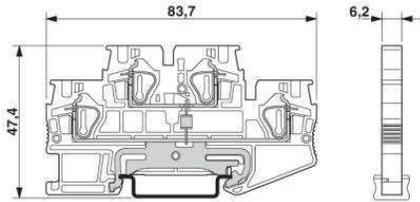
Marking		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
1051016	ZB 6,LGS:FORTL.ZAHLEN	Zack marker strip, 10-section, printed horizontally: with the numbers 1 - 10, 11 - 20 and so on up to 491 - 500, color: white
1051414	ZB 6,LGS:L1-N,PE	Zack strip, printed horizontally, strips with 10 labels, L1, L2, L3, N, PE, L1, L2, L3, N, PE, color: white
1051430	ZB 6,LGS:U-N	Zack strip, printed horizontally: 10-section, U, V, W, N, GND, U, V, W, N, GND, color: white
1050499	ZB 6:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements
1051003	ZB 6:UNBEDRUCKT	Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white
0808749	ZBF 6,LGS:FORTL.ZAHLEN	Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 91 - 100, color: white
0808736	ZBF 6/WH-100:UNBEDRUCKT	Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, large batch, sufficient for labeling 1000 terminal blocks, color: white
0808710	ZBF 6:UNBEDRUCKT	Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white

Additional products

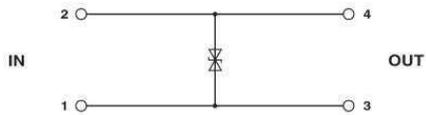
Item	Designation	Description
Assembly		
3030747	ATP-STTB 4	Partition plate, Length: 88.7 mm, Width: 2 mm, Height: 53 mm, Color: gray
2839295	SSA 3-6	shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black
2839512	SSA 5-10	Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black
General		
2858496	TT-D-STTB BK	End cover for TERMITRAB TT-STTB-..., width: 2.2 mm, color: Black

Diagrams/Drawings

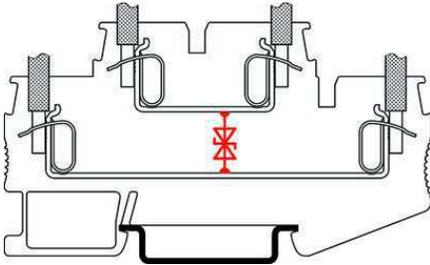
Dimensioned drawing



Circuit diagram



Schematic diagram



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