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TERMITRAB, spring-cage modular terminal block with integrated surge protection as a filter circuit and disconnect knives, for assembly on NS 35/7.5, voltage U_N 24 V DC, terminal width: 6.2 mm, cover width: 2.2 mm

Your advantages

- ☑ Combined protective circuit for absorbing transient surge voltages and high-frequency interference voltages
- With spring-cage connection
- ☑ Disconnection of signal circuits by disconnect knife



Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 938161
GTIN	4017918938161
Weight per Piece (excluding packing)	30.150 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	100 mm
Width	6.2 mm
Depth	65.1 mm (incl. DIN rail 7.5 mm)

Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C
Altitude	≤ 2000 m (amsl (above mean sea level))



Technical data

Ambient conditions

Degree of protection	IP20
General	
Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
Overvoltage category	III
Degree of pollution	2
Mounting type	DIN rail: 35 mm
Туре	Double-level terminal block

Line-Earth Ground

Direction of action Protective circuit

IEC test classification	C1
	C3
Nominal voltage U _N	24 V AC
Maximum continuous voltage U _C	38 V DC
	30 V AC
Rated current	500 mA (55 °C)
Operating effective current I _C at U _C	≤ 100 µA (per path)
Residual current I _{PE}	≤ 1 mA (per path)
Nominal discharge current I _n (8/20) µs (line-earth)	350 A (per path)
	700 A (in total)
Total discharge current I _{total} (8/20) μs	700 A
Max. discharge current I _{max} (8/20) μs maximum (line-earth)	1.5 kA (per path)
	3 kA (in total)
Nominal pulse current lan (10/1000) µs (line-earth)	40 A (per path)
	80 A (in total)
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 70 V (per path)
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 70 V (per path)
Residual voltage at I _n (line-earth)	≤ 80 V
Residual voltage with Ian (10/1000) µs (line-earth)	≤ 80 V
Voltage protection level U _p (line-earth)	≤ 80 V (C1 - 500 V / 250 A)
Response time t _A (line-earth)	≤ 25 ns
Input attenuation aE, asym.	typ. 40 dB (1 MHz / 150 Ω)
Cut-off frequency fg (3 dB), asym. (PE) in 50 Ohm system	typ. 60 kHz
Cut-off frequency fg (3 dB), asym. (PE) in 150 Ohm system	typ. 20 kHz
Capacity (line-earth)	typ. 130 nF



Technical data

Protective circuit

Inductivity in series	typ. 100 μH
Resistance per path	0.5 Ω
Surge protection fault message	none
Max. required back-up fuse	500 mA (T)
Impulse durability (line-earth)	C1 - 500 V / 250 A
	C3 - 40 A

Connection data

Connection method	Spring-cage connection
Connection method IN	Spring-cage
Connection method OUT	Spring-cage
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section solid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12

Standards and Regulations

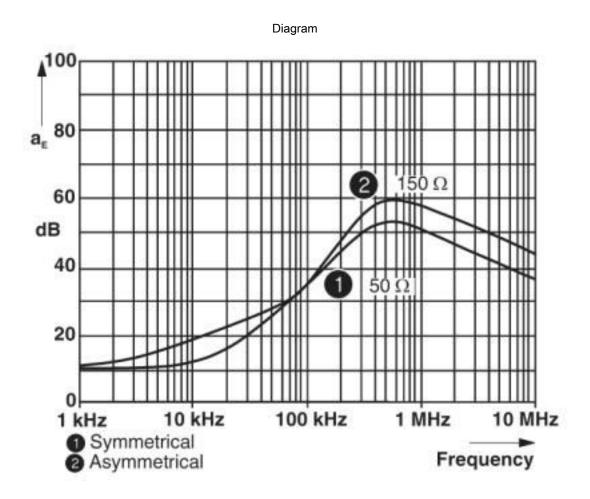
Standards/specifications	IEC 61643-21 2000 + A1:2008
	EN 61643-21 2001 + A1:2009

Environmental Product Compliance

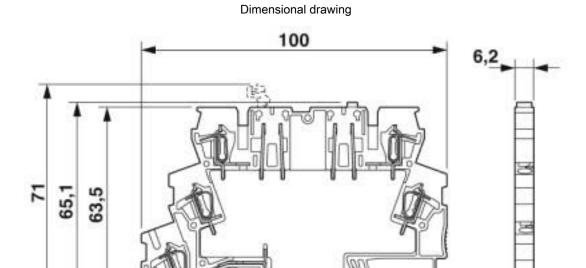
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

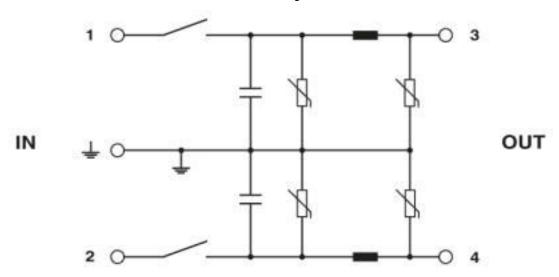












Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCI@ss 5.1	27130800



Classifications

eCl@ss

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
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

UL Listed / EAC / EAC

Ex Approvals

Approval details



Approvals

UL Listed	UL	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 138168
EAC	EAC		EAC-Zulassung
EAC	EAC		RU C- DE.A*30.B01561

Accessories

Accessories

End cover

End cover - TT-D-STTCO-BK - 2858894



End cover for TERMITRAB TT-ST-..., 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, Number of individual labels: 10

Marker pen



Accessories

Marker pen - B-STIFT - 1051993



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

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, Number of individual labels: 10

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, Number of individual labels: 10

Additional products

End cover - TT-D-STTCO-BK - 2858894



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

Shield connection - SSA 3-6 - 2839295



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



Accessories

Shield connection - SSA 5-10 - 2839512



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

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