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TERMITRAB, spring-cage modular terminal block with integrated surge protection 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

Product Features

- ☑ Disconnection of signal circuits by disconnect knife
- Multi-stage modular terminal blocks with spring-cage connection





Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	31.39 GRM
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	100 mm
Width	6.2 mm
Depth	63.5 mm

Ambient conditions

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

General

Housing material	PA 6.6
Inflammability class according to UL 94	V2
Color	black
Standards for air and creepage distances	EN 60664-1



Technical data

General

	IEC 60664-1
Surge voltage category	III
Pollution degree	2
Mounting type	DIN rail: 35 mm
Туре	Double-level terminal block with disconnect knife
Number of positions	2
Direction of action	Line-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	C3
	D1
VDE requirement class	C1
	C2
	C3
	D1
Nominal voltage U _N	24 V DC
Maximum continuous operating voltage U _C	30 V DC
	21 V AC
Maximum continuous voltage U _C (wire-ground)	30 V DC
	21 V AC
Nominal current I _N	300 mA (45°C)
Operating effective current I _C at U _C	≤ 10 µA (per path)
Residual current I _{PE}	≤ 20 µA
Nominal discharge current I _n (8/20) µs (Core-Earth)	5 kA
Total surge current (8/20) µs	10 kA
Total surge current (10/350) µs	2 kA
Max. discharge current I _{max} (8/20) µs maximum (Core-Earth)	5 kA
Nominal pulse current lan (10/1000) μs (Core-Earth)	100 A
	200 A (in total)
Impulse discharge current (10/350)#µs, peak value l _{imp}	1 kA (per path)
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 40 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 40 V
Residual voltage at I _n , (conductor-ground)	≤ 40 V
Residual voltage with lan (10/1000)µs (conductor-ground)	≤ 45 V
Voltage protection level U _P (Core-Earth)	≤ 80 V (C2 - 10 kV / 5 kA)



Technical data

Protective circuit

	≤ 40 V (static)
Response time tA (Core-Earth)	≤ 1 ns
Input attenuation aE, asym.	typ. 0.6 dB (500 kHz/50 Ω system)
	typ. 0.1 dB (170 kHz/150 Ω system)
	typ. 0.1 dB (40 kHz/600 Ω system)
Cut-off frequency fg (3 dB), asym. (PE) in 50 Ohm system	typ. 3 MHz
Cut-off frequency fg (3 dB), asym. (PE) in 150 Ohm system	typ. 1 MHz
Cut-off frequency fg (3 dB), asym. (PE) in 600 Ohm system	typ. 250 kHz
Capacity (Core-Earth)	2 nF
Resistance in series	9.4 Ω ±10 % (per path)
	9.4 Ω
Surge protection fault message	None
Max. required back-up fuse	315 mA
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
	D1 (1 kA)
	C3 (100 A)

Connection data

Connection method	Spring-cage connection
Connection type IN	Spring-cage
Connection type OUT	Spring-cage
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Classifications

eCl@ss

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
eCl@ss 8.0	27130807



Classifications

ETIM

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

UNSPSC

GOST 🕑

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

UNOFOC 13.2	39121020
Approvals	
Approvals	
Approvals	
GOST / GOST / UL Listed / GL	
Ex Approvals	
Approvals submitted	
Approval details	
GOST	



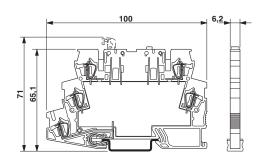


Approvals

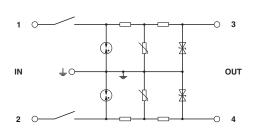
GL

Drawings

Dimensioned drawing



Circuit diagram



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