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Spring cage modular terminal block with integrated surge protection, for assembly on NS 35/7.5, voltage U_N 12 V DC, terminal width: 6.2 mm, cover width: 2.2 mm







Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	26.11 GRM
Custom tariff number	85363010
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
Mounting type	DIN rail: 35 mm
Туре	Double-level terminal block

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Technical data

General

Number of positions	2
Direction of action	Line-Earth Ground

Protective circuit

Protective circuit	
IEC test classification	C1
	C3
VDE requirement class	C1
	C3
Nominal voltage U _N	12 V DC
Maximum continuous operating voltage U _C	13 V DC
	9 V AC
Maximum continuous voltage U _C (wire-ground)	13 V DC
	9 V AC
Nominal current I _N	10 A (50 °C)
Operating effective current I _C at U _C	≤ 5 μA (DC)
	≤ 20 µA (60 Hz)
Residual current I _{PE}	≤ 10 μA (DC)
	≤ 40 µA (60 Hz)
Nominal discharge current I _n (8/20) µs (Core-Earth)	700 A (per path)
Total surge current (8/20) µs	1.4 kA
Nominal pulse current lan (10/1000) µs (Core-Earth)	140 A (per path)
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 22 V
Residual voltage at I _n , (conductor-ground)	≤ 27 V
Residual voltage with Ian (10/1000)µs (conductor-ground)	≤ 22 V
Voltage protection level U _P (Core-Earth)	≤ 25 V (C1 - 250 A)
Response time tA (Core-Earth)	≤ 1 ns
Input attenuation aE, asym.	typ. 0.3 dB (≤ 650 kHz / 50 Ω)
	typ. 0.1 dB (≤ 100 kHz / 150 Ω)
Cut-off frequency fg (3 dB), asym. (GND) in 50 Ohm system	typ. 1.7 MHz
Cut-off frequency fg (3 dB), asym. (GND) in 150 Ohm system	typ. 300 kHz
Capacity (Core-Earth)	≤ 5 nF
Max. required back-up fuse	10 A (e.g. T (IEC 127-2/III))
Surge current resistance (conductor-ground)	C1 (500 A/250 A)
	C3 - 100 A
Alternating current carrying capacity (conductor-ground)	2 A (5x 1 s)

Connection data

Connection method	Spring-cage connection



Technical data

Connection data

Connection type IN	Spring-cage
Connection type OUT	Spring-cage
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Standards and Regulations

Standards/regulations	IEC 61643-21

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

ETIM

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

UNSPSC

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

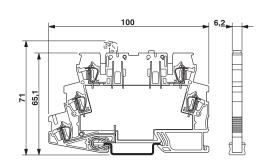
Approvals

Approvals

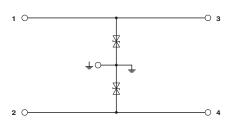


Approvals Approvals GOST / GL / GOST / UL Listed Ex Approvals Approvals submitted Approval details GOST 🚭 GL GOST 🚭 UL Listed 🕦 Drawings

Dimensioned drawing



Circuit diagram





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