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Modular terminal block with varistor as surge voltage protection between clamping connector and DIN rail, separate ground connection, nominal voltage: 48 V AC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

The illustration shows version TT-SLKK5/ 12 DC

Product Features

- Protective element between the feed-through terminal block and the metal mounting foot
- Modular terminal blocks with screw connection technology



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	21.26 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Environmental Product Compliance

Dimensions

Height	69.5 mm
Width	6.2 mm
Length	66.5 mm

Ambient conditions

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

General

Housing material	PA
Flammability rating according to UL 94	V2



Technical data

General

Color	black
Mounting type	DIN rail: 35 mm
Туре	Single-level terminal block – separate PE connection
Number of positions	1
Direction of action	Line-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	C3
VDE requirement class	C1
	C2
	C3
Nominal voltage U _N	48 V AC
Maximum continuous voltage U _C	85 V DC
	60 V AC
Maximum continuous voltage U _C (wire-ground)	85 V DC
	60 V AC
Nominal current I _N	32 A (50 °C)
Operating effective current I _C at U _C	≤ 45 µA
Residual current I _{PE}	≤ 45 µA
Nominal discharge current I _n (8/20) μs (Core-Earth)	2 kA
Total surge current (8/20) µs	6.5 kA
Max. discharge current I _{max} (8/20) μs maximum (Core-Earth)	6.5 kA
Nominal pulse current lan (10/1000) µs (Core-Earth)	75 A
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 150 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 150 V
Residual voltage at I _n (conductor-ground)	≤ 265 V
Response time tA (Core-Earth)	≤ 25 ns
Cut-off frequency fg (3 dB), asym. (PE) in 150 Ohm system	typ. 700 kHz

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm



Technical data

Connection data

Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Standards and Regulations

Standards/regulations	IEC 61643-21
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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	27130801
eCl@ss 6.0	27130807
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

UNSPSC

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

Approvals

Approvals



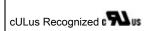
Approvals

EAC

Approvals	
CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized	
Ex Approvals	
Approvals submitted	
Approval details	
CSA (I)	
mm²/AWG/kcmil	28-12
Nominal current IN	34 A
Nominal voltage UN	48 V
UL Recognized 3.1	
mm²/AWG/kcmil	26-10
Nominal current IN	30 A
Nominal voltage UN	48 V
cUL Recognized	
mm²/AWG/kcmil	26-12
Nominal current IN	30 A
Nominal voltage UN	48 V

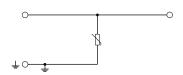


Approvals



Drawings

Circuit diagram



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