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Modular terminal block with varistor as surge voltage protection between clamping connector and DIN rail, separate ground connection, nominal voltage: 60 V DC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

The illustration shows version TT-SLKK5/ 12 DC



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	26.0 GRM
Custom tariff number	85363030
Country of origin	Germany

### Technical data

#### **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
Inflammability class according to UL 94	V2
Color	black
Mounting type	DIN rail: 35 mm
Туре	Single-level terminal block – separate PE connection
Direction of action	Line-Earth Ground



# Technical data

### Protective circuit

IEC test classification	C1
	C2
	C3
VDE requirement class	C1
	C2
	C3
Nominal voltage U <sub>N</sub>	60 V DC
Maximum continuous operating voltage U <sub>C</sub>	85 V DC
	60 V AC
Maximum continuous voltage U <sub>C</sub> (wire-ground)	85 V DC
	60 V AC
Nominal current I <sub>N</sub>	32 A (50 °C)
Operating effective current I <sub>C</sub> at U <sub>C</sub>	≤ 15 µA
Residual current I <sub>PE</sub>	≤ 15 µA
Nominal discharge current I <sub>n</sub> (8/20) μs (Core-Earth)	2 kA
Total surge current (8/20) µs	6.5 kA
Max. discharge current I <sub>max</sub> (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	≤ 170 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 155 V
Residual voltage at I <sub>n</sub> , (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
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 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



## Technical data

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

CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted



# Approvals

### Approval details

CSA (1)	
mm²/AWG/kcmil	28-12
Nominal current IN	34 A
Nominal voltage UN	60 V

UL Recognized <b>\$1</b>	
mm²/AWG/kcmil	26-10
Nominal current IN	30 A
Nominal voltage UN	60 V

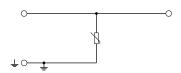
cUL Recognized ••••		
mm²/AWG/kcmil	26-12	
Nominal current IN	30 A	
Nominal voltage UN	60 V	

cULus Recognized CALUS		

# Drawings



Circuit diagram



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