

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



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 mm²
Conductor cross section stranded max.	4 mm²
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
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 (I)	
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

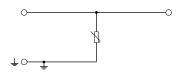
cUL Recognized	
mm²/AWG/kcmil	26-12
Nominal current IN	30 A
Nominal voltage UN	60 V

cULus Recognized callus		

## Drawings



Circuit diagram



Phoenix Contact 2014 © - all rights reserved http://www.phoenixcontact.com