Surge protection device - TT-UKK5-M/ 60DC - 2795986

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)

The illustration shows version TT-UKK5-M-24 DC

Double-level modular terminal block with suppressor diode as surge protection between both levels, disconnect knife in the upper level, nominal voltage: 60 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

Key commercial data

Packing unit	1 pc
GTIN	4 017918 073244
Weight per Piece (excluding packing)	26.07 GRM
Custom tariff number	85363010
Country of origin	Greece

Technical data

Dimensions

Height	80 mm
Width	6.2 mm
Depth	68 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
Standards for air and creepage distances	VDE 0110-1

Surge protection device - TT-UKK5-M/ 60DC - 2795986

Technical data

General

Mounting type	DIN rail/G-profile rail
Type	Double-level terminal block with disconnect knife
Number of positions	1
Direction of action	Line-Line

Protective circuit

IEC test classification	C3
VDE requirement class	C3
Nominal voltage U_N	60 V DC
Maximum continuous operating voltage U_C	70 V DC
	49 V AC
Maximum continuous voltage UC (wire-wire)	70 V DC
Maximum continuous voltage U_C (wire-ground)	49 V AC
Nominal current I_N	12 A (45°C)
Operating effective current I_C at U_C	≤ 5 µA
Nominal discharge current I_n (8/20) µs (Core-Core)	69 A
Total surge current (8/20) µs	69 A
Max. discharge current I_{max} (8/20) µs maximum (Core-Core)	69 A
Nominal pulse current Ian (10/1000) µs (Core-Core)	13.3 A
Output voltage limitation at 1 kV/µs (Core-Core) static	≤ 100 V
Residual voltage at I_n, (conductor-conductor)	≤ 120 V
Response time tA (Core-Core)	≤ 1 ns
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	typ. 3.2 MHz
Capacity (Core-Core)	≤ 0.65 nF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C3 - 10 A

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 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	24

Surge protection device - TT-UKK5-M/ 60DC - 2795986

Technical data

Connection data

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

CSA / GOST / GOST

Ex Approvals

Surge protection device - TT-UKK5-M/ 60DC - 2795986

Approvals

Approvals submitted

Approval details

CSA

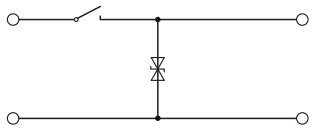
mm²/AWG/kcmil	24-12
Nominal current IN	12 A
Nominal voltage UN	60 V

GOST

GOST

Drawings

Circuit diagram



Surge protection device - TT-UKK5-M/ 60DC - 2795986

Schematic diagram