



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Surge protection device - TT-UKK5-M/ 48DC - 2795973

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>)



Double-level modular terminal block with suppressor diode as surge protection between both levels, disconnect knife in the upper level, nominal voltage: 48 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

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

Why buy this product

- Can be used in the signal circuits of electronic controllers

Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 073237

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
Flammability rating according to UL 94	V2
Color	black
Standards for clearances and creepage distances	VDE 0110-1
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
-------------------------	----

Surge protection device - TT-UKK5-M/ 48DC - 2795973

Technical data

Protective circuit

VDE requirement class	C3
Nominal voltage U_N	48 V DC
Maximum continuous voltage U_C	53 V DC
	37 V AC
Maximum continuous voltage U_C (wire-wire)	53 V DC
Maximum continuous voltage U_C (wire-ground)	37 V AC
Nominal current I_N	12 A (45°C)
Operating effective current I_C at U_C	$\leq 5 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (Core-Core)	90 A
Total surge current (8/20) μs	90 A
Max. discharge current I_{max} (8/20) μs maximum (Core-Core)	90 A
Nominal pulse current I_{an} (10/1000) μs (Core-Core)	17.7 A
Output voltage limitation at 1 kV/ μs (Core-Core) static	≤ 80 V
Residual voltage at I_n (conductor-conductor)	≤ 111 V
Response time t_A (Core-Core)	≤ 1 ns
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	typ. 3.8 MHz
Capacity (Core-Core)	≤ 0.85 nF
Impulse durability (conductor-conductor)	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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Standards and Regulations

Standards/regulations	IEC 61643-21
-----------------------	--------------

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801

Surge protection device - TT-UKK5-M/ 48DC - 2795973

Classifications

eCl@ss

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

CSA / EAC

Ex Approvals

Approvals submitted

Approval details

CSA	
mm ² /AWG/kcmil	24-12
Nominal current I _N	12 A

Surge protection device - TT-UKK5-M/ 48DC - 2795973

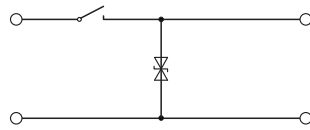
Approvals

Nominal voltage UN	48 V
--------------------	------

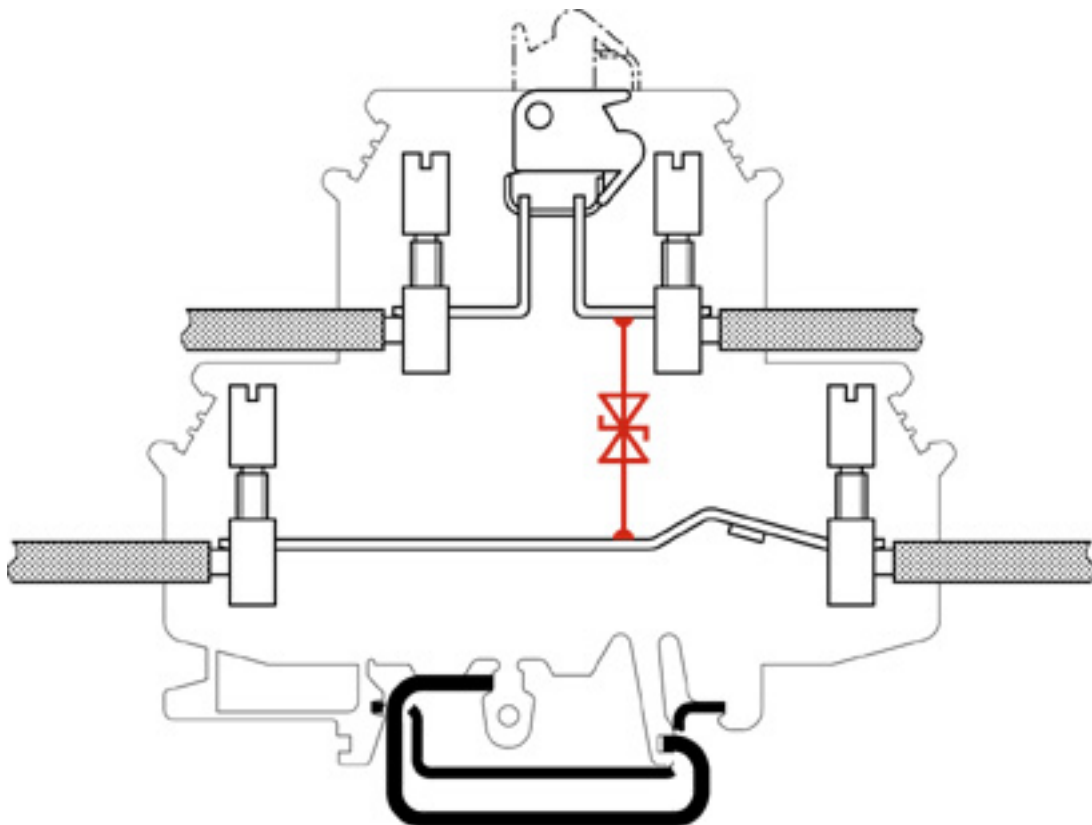
EAC

Drawings

Circuit diagram



Schematic diagram



Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button](#).

Product	Code	Reference	Product link
Double-level modular terminal block with suppressor diode as surge protection between both levels, disconnect knife in the upper level, nominal voltage: 48 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm	2795973	TT-UKK5-M/ 48DC	Buy on EAN