

Surge protection device - TT-UK5/ 48AC - 2794767

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 surge voltage fine protection between clamping connector and DIN rail, nominal voltage: 48 V AC, for mounting on NS 32 or NS 35/7.5, terminal width: 6.2 mm, terminal height: 47 mm



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 072933
GTIN	4017918072933
Weight per Piece (excluding packing)	12.400 g
Custom tariff number	85363030
Country of origin	Greece

Technical data

Dimensions

Height	47 mm
Width	6.2 mm
Length	42.5 mm

Ambient conditions

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

General

Housing material	PA
Flammability rating according to UL 94	V-2
Color	black

Surge protection device - TT-UK5/ 48AC - 2794767

Technical data

General

Mounting type	DIN rail: 35 mm
Type	Single-level terminal block
Number of positions	1
Direction of action	Line-Earth Ground

Protective circuit

IEC test classification	C3
VDE requirement class	C3
Nominal voltage U_N	48 V AC
Maximum continuous voltage U_C	77 V DC
	55 V AC
Rated current	32 A (50 °C)
Residual current I_{PE}	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs (core-earth)	62 A (per path)
Total surge current (8/20) μs	62 A
Max. discharge current I_{max} (8/20) μs maximum (Core-Earth)	62 A
Nominal pulse current I_{an} (10/1000) μs (Core-Earth)	12 A
Output voltage limitation at 1 kV/ μs (core-earth) static	$\leq 120 V$
Residual voltage at I_n (conductor-ground)	$\leq 162 V$
Response time t_A (core-earth)	$\leq 1 ns$
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	typ. 2.9 MHz
Capacity (core-earth)	$\leq 0.63 nF$
Surge protection fault message	none
Impulse durability (conductor-ground)	C3 - 10 A

Connection data

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Standards and Regulations

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

Surge protection device - TT-UK5/ 48AC - 2794767

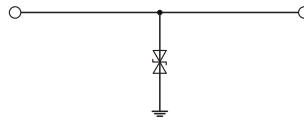
Technical data

Environmental Product Compliance

REACH SVHC	4-Nonylphenol, ethoxylated
------------	----------------------------

Drawings

Circuit diagram



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
ETIM 6.0	EC000943

UNSPSC

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

Surge protection device - TT-UK5/ 48AC - 2794767

Approvals


Approvals


Approvals


CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm ² /AWG/kcmil	28-10		
Nominal current I _N	34 A		
Nominal voltage U _N	48 V		

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm ² /AWG/kcmil	26-10		
Nominal current I _N	30 A		
Nominal voltage U _N	48 V		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm ² /AWG/kcmil	26-10		
Nominal current I _N	30 A		
Nominal voltage U _N	48 V		

EAC		RU C- DE.A*30.B01561	
-----	---	-------------------------	--

Surge protection device - TT-UK5/ 48AC - 2794767

Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

Accessories

End cover

End cover - D-TERMITRAB-UK 5 - 2794990



Cover for setting the end of a TT-UK 5 row of terminal blocks, color: black

Labeled terminal marker

Zack Marker strip, flat - ZBF 6,LGS:FORTL.ZAHLEN - 0808749



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Surge protection device - TT-UK5/ 48AC - 2794767

Accessories

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Terminal marking

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm

Zack Marker strip, flat - ZBF 6/WH-100:UNBEDRUCKT - 0808736



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm

Surge protection device - TT-UK5/ 48AC - 2794767

Accessories

Additional products

End cover - D-TERMITRAB-UK 5 - 2794990



Cover for setting the end of a TT-UK 5 row of terminal blocks, color: black

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black
