

TT-UK5/ 24DC - Surge protection device



2794699

<https://www.phoenixcontact.com/ca/products/2794699>

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Terminal block with surge voltage fine protection between clamping connector and DIN rail, nominal voltage: 24 V DC, for mounting on NS 32 or NS 35/7.5, terminal width: 6.2 mm, terminal height: 47 mm

Commercial data

Item number	2794699
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL32
Product key	CL2228
GTIN	4017918072872
Weight per piece (including packing)	11.5 g
Weight per piece (excluding packing)	10.65 g
Customs tariff number	85363080
Country of origin	GR

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Technical data

Product properties

Product type	Surge protection for MCR technology
IEC test classification	C3
VDE requirement class	C3
Type	Single-level terminal block
Number of positions	1
Surge protection fault message	none

Electrical properties

Nominal voltage U_N	24 V DC
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Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 Nm
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section AWG	24 ... 12

Dimensions

Width	6.2 mm
Height	47 mm
Length	42.5 mm

Material specifications

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

Mechanical properties

Mechanical data

Open side panel	Yes
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Protective circuit

Direction of action	Line-Earth Ground
Maximum continuous operating voltage U_C	28 V DC
	20 V AC
Rated current	32 A (50 °C)
Protective conductor current I_{PE}	≤ 5 μ A
Nominal discharge current I_n (8/20) μ s (line-ground)	169 A (per path)
Total surge current (8/20) μ s	169 A
Max. discharge current I_{max} (8/20) μ s maximum (line-earth)	169 A

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Nominal pulse current I_{an} (10/1000) μ s (line-earth)	33 A
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 40 V
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 40 V
Residual voltage at I_n (conductor-ground)	≤ 55 V
Response time t_A (line-earth)	≤ 1 ns
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ω system	typ. 1.2 MHz
Capacity (Core-Earth)	≤ 1.35 nF
Surge protection fault message	none
Impulse durability (line-earth)	C3 - 25 A

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

VDE requirement class	C3
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Standards Information technology specification

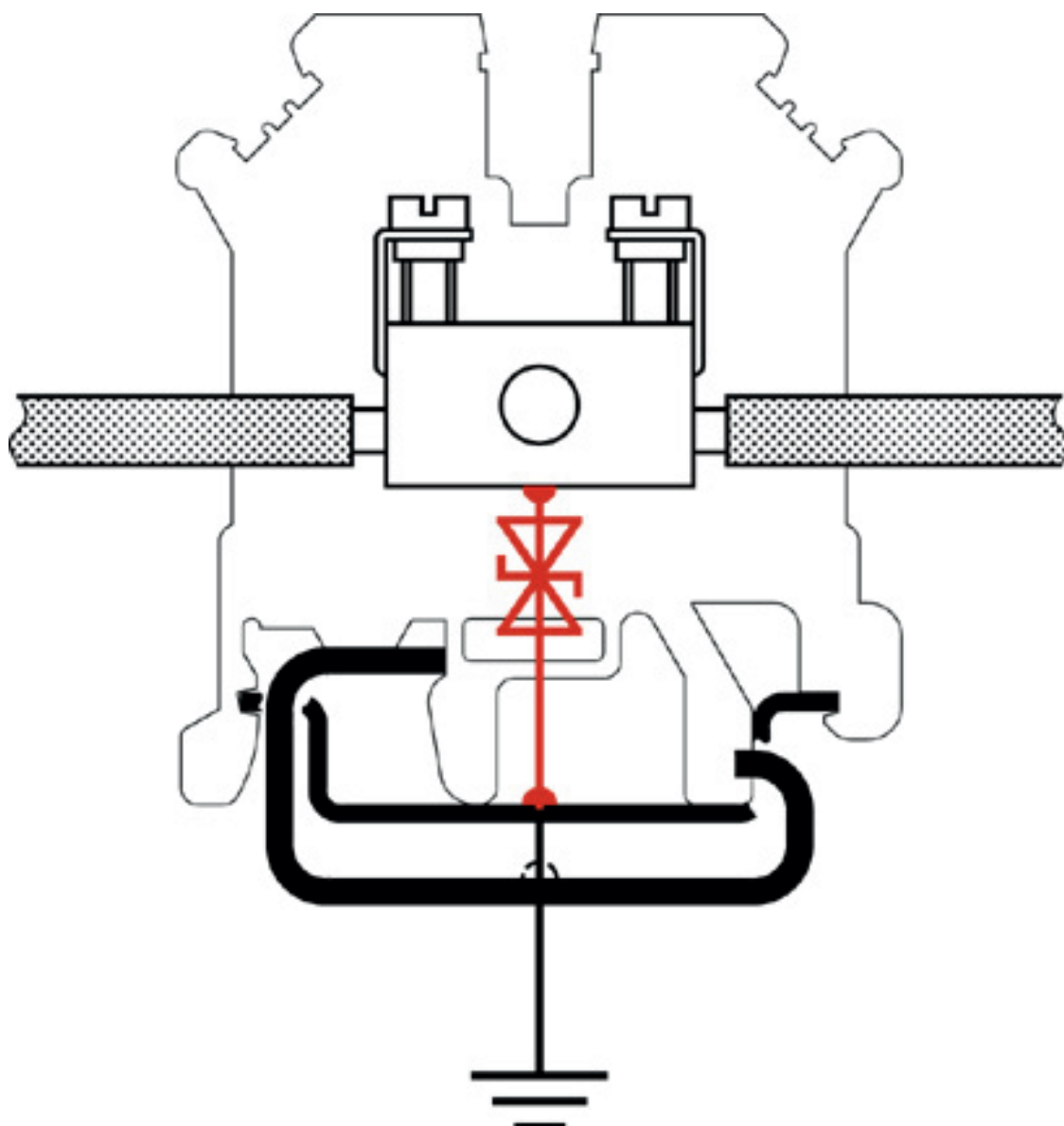
Standards/regulations	IEC 61643-21
	IEC 61643-21

Mounting

Mounting type	DIN rail: 35 mm
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Drawings

Schematic diagram



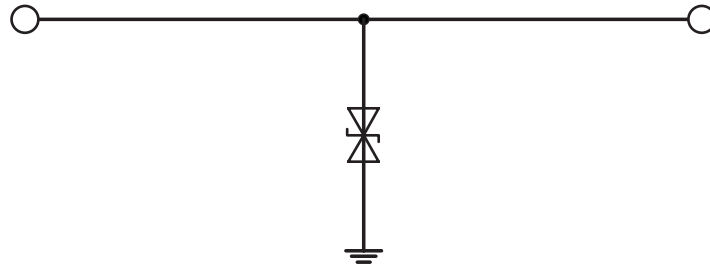
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Circuit diagram



Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-50 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

D-TERMITRAB-UK 5 - End cover

2794990

<https://www.phoenixcontact.com/ca/products/2794990>

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



B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/ca/products/1051993>

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



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ZBF 6:UNBEDRUCKT - Zack Marker strip, flat

0808710

<https://www.phoenixcontact.com/ca/products/0808710>



Zack Marker strip, flat, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 6.15 mm, text field width: 5.15 mm

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

0808736

<https://www.phoenixcontact.com/ca/products/0808736>



Zack Marker strip, flat, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 1000, text field height: 6.15 mm, text field width: 5.15 mm

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

0808749

<https://www.phoenixcontact.com/ca/products/0808749>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 6.15 mm, text field width: 5.15 mm

ZB 6:UNBEDRUCKT - Zack marker strip

1051003

<https://www.phoenixcontact.com/ca/products/1051003>



Zack marker strip, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 6.15 mm

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

1051414

<https://www.phoenixcontact.com/ca/products/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: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 6.15 mm

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

1051430

<https://www.phoenixcontact.com/ca/products/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: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 6.15 mm

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

1051016

<https://www.phoenixcontact.com/ca/products/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: latching, for terminal block width: 6.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 6.15 mm

D-TERMITRAB-UK 5 - End cover

2794990

<https://www.phoenixcontact.com/ca/products/2794990>



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

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SSA 3-6 - Shield connection

2839295

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



SSA 5-10 - Shield connection

2839512

<https://www.phoenixcontact.com/ca/products/2839512>

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



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