

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

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 documentation. Our General Terms of Use for Downloads are valid.

Medium surge protection with integrated status indicator for a 2-wire floating signal circuit.



Your advantages

- Space-saving and cost-saving with a narrow overall width of just 6 mm
- Continuous monitoring of protective devices, plus mechanical status indicator with optional remote signaling
- Finding the right product for all possible requirements in MCR applications is easy, thanks to the complete range of products with customized features

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859



<https://www.phoenixcontact.com/in/products/2906859>

Commercial Data

Order Key	2906859
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CL2
Catalog Page	Page 150 (C-4-2019)
GTIN	4055626137148
Weight per Piece (including packing)	28.2 GRM
Weight per Piece (excluding packing)	28.0 GRM
Customs tariff number	85363010
Country of origin	DE

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

Technical Data

Product properties

IEC test classification	C1
	C2
	C3
Type	DIN rail module, one-piece
Surge protection fault message	optical

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Mounting

Mounting type	DIN rail: 35 mm
---------------	-----------------

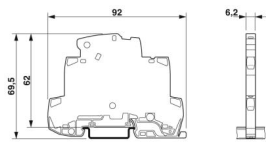
Material specifications

Color	traffic grey A RAL 7042
Flammability rating according to UL 94	V-0
Insulating material	PBT
Housing material	PBT

Connection data

Connection method	Push-in connection
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
Width	6.2 mm
Height	92 mm
Depth	69.5 mm (incl. DIN rail 7.5 mm)

Protective circuit

Direction of action	Line-Earth Ground
Maximum continuous voltage U_C	30 V DC
	21 V AC
Rated current	10 A (60 °C)

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

Operating effective current I_C at U_C	$\leq 100 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-line)	2 kA
Voltage protection level U_p (line-line)	$\leq 110 \text{ V}$ (C1 - 700 V/350 A)
	$\leq 160 \text{ V}$ (C2 - 4 kV)
	$\leq 80 \text{ V}$ (C3 - 25 A)
Response time t_A (line-line)	$\leq 25 \text{ ns}$
Input attenuation aE, sym.	typ. 0.3 dB ($\leq 60 \text{ kHz} / 150 \Omega$)
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	typ. 200 kHz
Capacity (Core-Core)	10 nF
Resistance per path	$\leq 100 \text{ m}\Omega$
Surge protection fault message	optical

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Standards and regulations

Standards/specifications	IEC 61643-21
	EN 61643-21

Environmental and real-life conditions

Ambient conditions

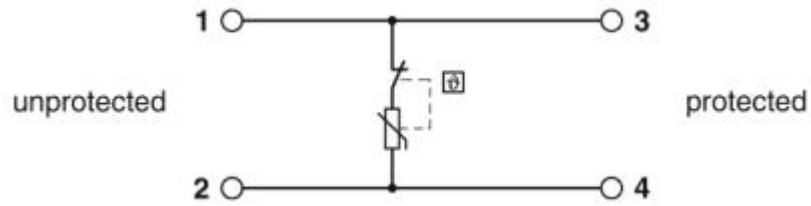
Degree of protection	IP20 (with end cover)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	$\leq 4000 \text{ m}$ (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

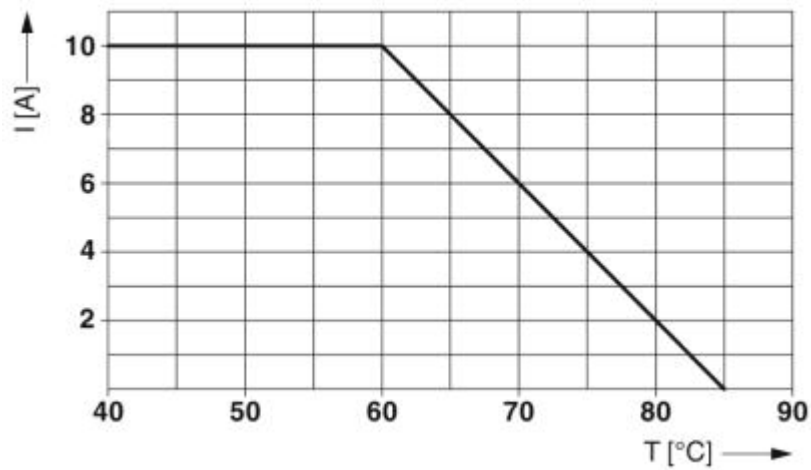
<https://www.phoenixcontact.com/in/products/2906859>

Drawings

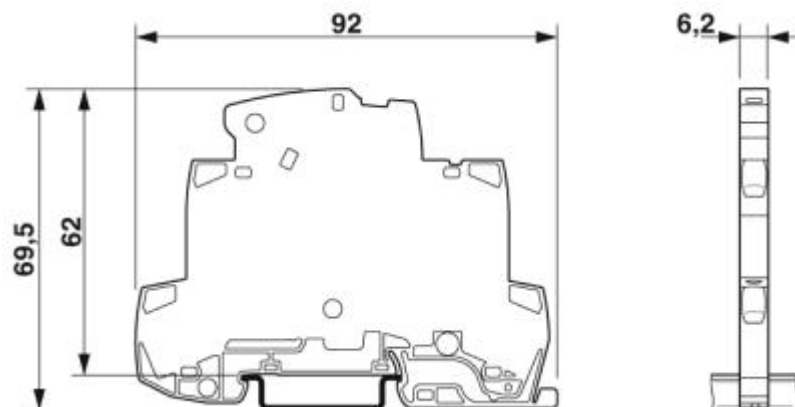
Circuit diagram



Diagram



Dimensional drawing




Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859



<https://www.phoenixcontact.com/in/products/2906859>

Approvals

DNV GL 

CSA 

UL Listed 

CSAus 

cCSAus

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859



<https://www.phoenixcontact.com/in/products/2906859>

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
China RoHS	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

Accessories

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

End cover

End cover - TTC-6-LCP - 2908729



End cover for terminating a row of TERMITRAB complete TTC-6... terminal blocks

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

Labeled terminal marker

Labeled terminal marker - ZBF 6 CUS - 0825027



Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Labeled terminal marker

Labeled terminal marker - ZBF 6,QR:FORTL.ZAHLEN - 0808765



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: 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, Number of individual labels: 10

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

Terminal marking

Terminal marking - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Terminal marking

Terminal marking - ZBF 6/WH-100:UNBEDRUCKT - 0808736



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

End block

End block - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

Shield connection

Shield connection - SSA 3-6 - 2839295



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

Surge protection for measurement and control technology - TTC-6-MOV-D-24DC-PT-I - 2906859

<https://www.phoenixcontact.com/in/products/2906859>

Shield connection

Shield connection - SSA 5-10 - 2839512



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

Remote signaling set

Remote signaling set - TTC-6-FMRS-PT - 2907811



Module set for the optical monitoring and floating remote signaling of adjacent surge protective devices in the TERMITRAB complete or CLIXTRAB product family. Suitable for directly grounded DIN rails.

Phoenix Contact 2021 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Surge Suppressors](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[GUS1](#) [GUS12](#) [BSPM1A600D600LVR](#) [2800521](#) [29-2053](#) [GUS11](#) [GUS2](#) [GUS3](#) [GUS4](#) [30460](#) [SRA64C060X](#) [PC642C015](#) [1810-15-A3](#)
[2713175](#) [4B06B-EC1-150LF](#) [SRA6LC](#) [BPMA75D100LV](#) [CX06M](#) [CCTV1](#) [GUS13](#) [GUS14](#) [GUS5](#) [GUS6](#) [VAL-MS 320/3+0-FM](#) [VAL-US-](#)
[120/40/1+1-FM](#) [VAL-US-120/65/1+1-FM](#) [VAL-US-480D/30/3+0-FM](#) [VAL-US-120/40/1+0-FM](#) [STCHSP121BT1RU](#) [LP-BFDN-CW](#) [LP-](#)
[STRL-NFF](#) [LP-STRL-DFE](#) [GUS22](#) [0804111](#) [5053609](#) [5053201](#) [SPD2-150-1P0](#) [SPD2-550-1P0](#) [6720005416](#) [6720005417](#) [1-2191595-2](#)
[STC-CAT6-P0E-I](#) [SPD2-350-1P0](#) [FLT-CP-350-ST](#) [TTC-6P-3-HF-F-M-12DC-UT-I](#) [SMTPA200](#) [2800989](#) [2906776](#) [2906810](#) [2906847](#)