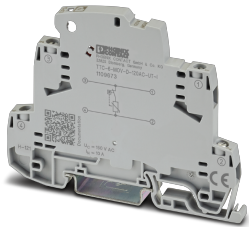


## Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

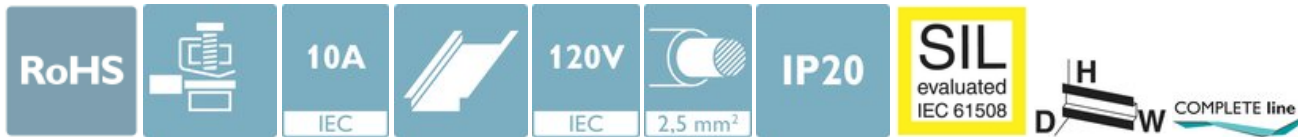
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Medium surge protection with integrated status indicator for a 2-wire floating signal circuit.

### 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 022372
GTIN	4063151022372
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85363010
Country of origin	Germany

### Technical data

#### Dimensions

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

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
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# Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

## Technical data

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20 (with end cover)

### General

Housing material	PBT
Flammability rating according to UL 94	V-0
Color	traffic grey A RAL 7042
Mounting type	DIN rail: 35 mm
Type	DIN rail module, one-piece
Direction of action	Line-Earth Ground

### Protective circuit

IEC test classification	C1
	C2
	C3
Nominal voltage $U_N$	120 V AC
Maximum continuous voltage $U_C$	150 V DC
	150 V AC
Rated current	10 A (60 °C)
Operating effective current $I_C$ at $U_C$	≤ 100 μA
Residual current $I_{PE}$	≤ 100 μA
Nominal discharge current $I_n$ (8/20) μs (line-line)	2.5 kA
Voltage protection level $U_p$ (line-line)	≤ 200 V (C1 - 800 A)
	≤ 500 V (C2 - 5 kV)
	≤ 380 V (C3 - 25 A)
	≤ 380 V (C3 - 35 A)
Response time $t_A$ (line-line)	≤ 25 ns
Input attenuation aE, sym.	typ. 0.3 dB (≤ 300 kHz / 150 Ω)
Cut-off frequency $f_g$ (3 dB), sym. in 150 Ω system	typ. 1 MHz
Capacity (line-line)	5 nF
Resistance per path	≤ 100 mΩ
Surge protection fault message	optical
Impulse durability (line-line)	C1 - 800 A
	C2 - 2,5 kA
	C3 - 35 A

### Connection data

# Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

## Technical data

### Connection data

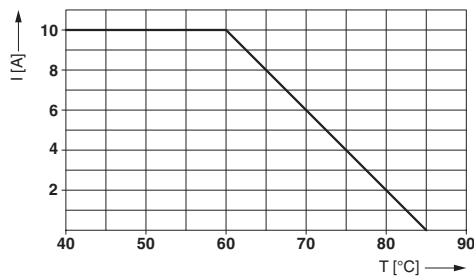
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm ... 0.6 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Standards and Regulations

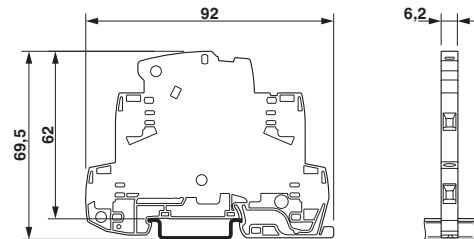
Standards/specifications	IEC 61643-21 2000 + corrigendum 2001 + A1:2008, modified + A2:2012
	EN 61643-21 2001 + A1:2009 + A2:2013

## Drawings

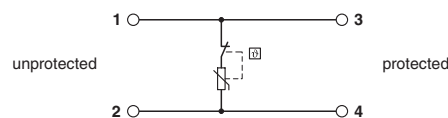
Diagram



Dimensional drawing



Circuit diagram



## Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 11.0	27130807
eCl@ss 9.0	27130807

## Approvals

Approvals

# Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

## Approvals

### Approvals

DNV GL / CSA / UL Listed / CSAus / cCSAus

### Ex Approvals

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE000027G
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CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70136717
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UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 138168
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CSAus		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70136717
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cCSAus			
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## Accessories

### Accessories

End block

End clamp - 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

## Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

### Accessories

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#### Labeled terminal marker

Zack Marker strip, flat - 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

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Zack Marker strip, flat - 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

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#### 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

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#### Terminal marking

Zack Marker strip, flat - 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

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## Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

### Accessories

Zack Marker strip, flat - 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

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### Additional products

Remote signaling set - TTC-6-FMRS-UT - 2907810



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.

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Cover - TTC-6-LCP - 2908729



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

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Fuse holder - TTC-6-FC-UT - 1054762



Fuse carrier for surge protective devices of the TERMITRAB complete product range with screw connection technology. Multi-level connection on TTC-6 housings possible. For conventional 5x20 mm miniature fuses.

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Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm<sup>2</sup>, color: black

## Surge protection device - TTC-6-MOV-D-120AC-UT-I - 1109673

### Accessories

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm<sup>2</sup>, color: black