TCP 5/DC32V - Thermal device circuit breaker

0700005

https://www.phoenixcontact.com/us/products/0700005

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Thermal device circuit breaker, 1-position, nominal current: 5 A, nom. voltage: 32 V, tripping characteristic: thermal, fuse type: Automatic device, mounting type: on base element, rated current: 5 A

Your advantages

- Fast, replacement part-free recommissioning after an event with the reconnection options
- Easy to retrofit in existing systems with vehicle flat-type fuses with identical pin connector pattern
- Easy identification of the nominal current value via color marking

Commercial data

Item number	0700005
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	CL15
Product key	CLA112
GTIN	4046356079624
Weight per piece (including packing)	4.05 g
Weight per piece (excluding packing)	4.05 g
Customs tariff number	85362010
Country of origin	DE

Technical data

Product properties

Product type	Thermal device circuit breakers
Type	Male
Number of positions	1
No. of channels	1

Electrical properties

Fuse type	Automatic device
Fuse	Slow-blow

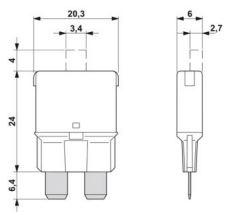
General

Rated voltage	32 V DC
Rated current I_N	5 A
Rated short-circuit switching capacity I_{cn}	≤ 50 A (300 switch-offs)
Short-circuit switching capacity	150 A (≥3 shutdowns)
	2000 A (≥ 1 switch-off)
Fuse	thermal
Voltage drop	< 150 mV

Connection data

Note	The reset button must not be obstructed!
Nominal current	5 A
Nominal voltage	32 V AC
	32 V DC
Connection method	pluggable

Dimensions

Dimensional drawing	
Width	6 mm
Height	20.3 mm
Depth	30.4 mm

Material specifications

Color	ivory (RAL 1014)
Material	PA
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

Ambient conditions

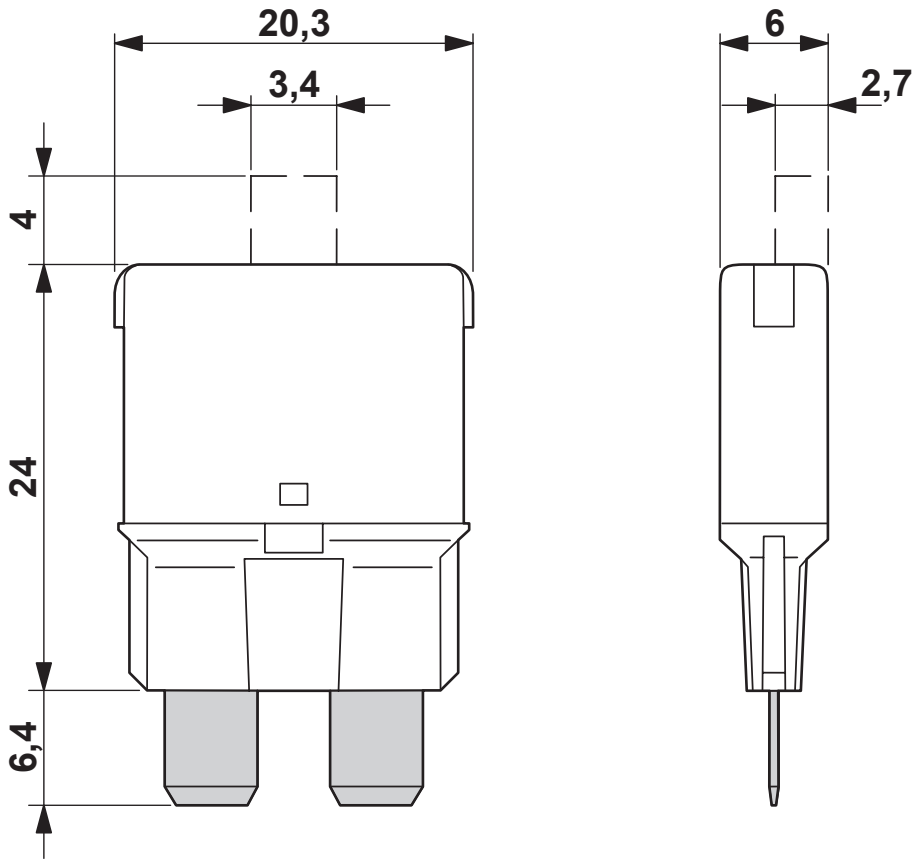
Degree of protection	IP30 (Actuation area)
Ambient temperature (operation)	-40 °C ... 85 °C
Humidity test	240 h, 95 % RH, 40 °C

Mounting

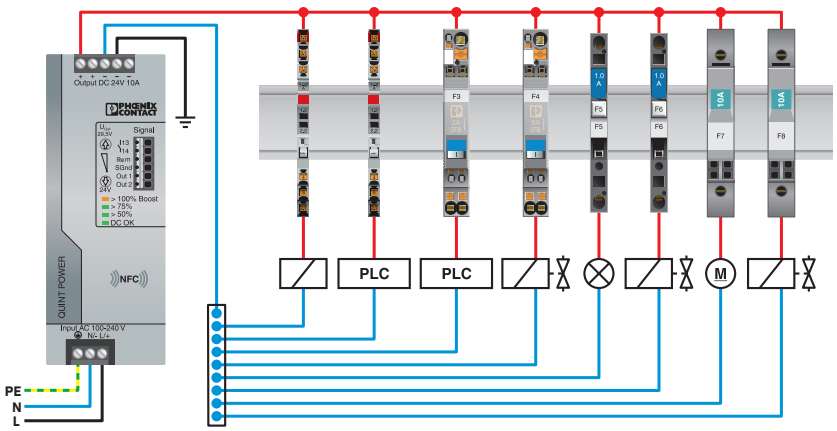
Mounting type	on base element

Drawings

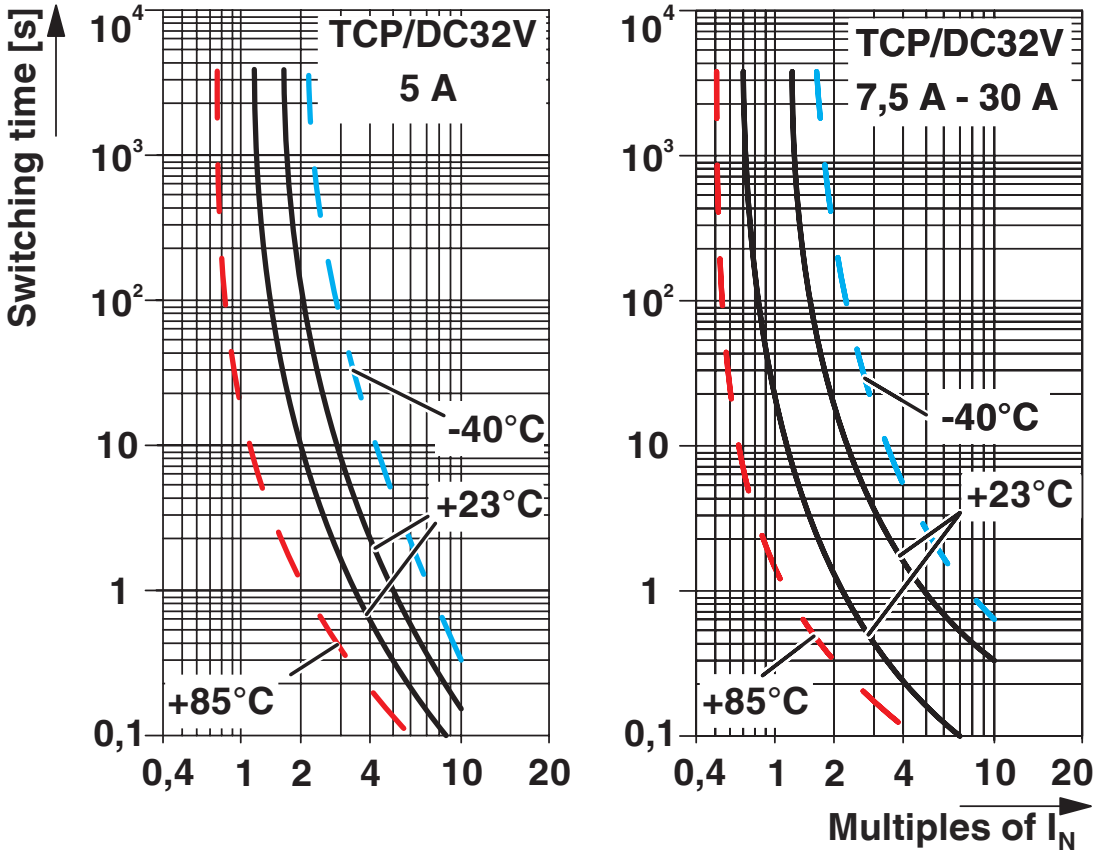
Dimensional drawing



Application drawing



Diagram



Trigger characteristic

Classifications

ECLASS

ECLASS-13.0	27140401

ETIM

ETIM 9.0	EC003538

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-25
	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%

EF3.1 Climate Change

CO2e kg	0.45 kg CO2e

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