

TCP 2A - Thermal device circuit breaker



0712217

<https://www.phoenixcontact.com/us/products/0712217>

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Thermal miniature circuit breaker, pluggable in screw-type fuse terminal block UK 6-FSI/C and spring-cage fuse terminal block ST 4-FSI/C

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
- System disconnection for maintenance actions via the integrated device switch

Commercial data

Item number	0712217
Packing unit	1 pc
Sales key	CL15
Product key	CLA111
Catalog page	Page 401 (C-4-2019)
GTIN	4017918848361
Weight per piece (including packing)	11.5 g
Weight per piece (excluding packing)	10.5 g
Customs tariff number	85362010
Country of origin	ID

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Technical data

Notes

General	When mounted in rows, the nominal device current can be limited to just 80% or must be oversized accordingly.
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Product properties

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

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Electrical properties

Fuse type	Automatic device
Maximum power dissipation for nominal condition	$\leq 1 \text{ VA}$
Fuse	Slow-blow

General

Rated voltage	250 V AC
	65 V DC
	250 V AC (AC according to UL 1077)
	72 V DC (DC according to UL 1077)
Rated current I_N	2 A
Rated surge voltage	2.5 kV
Insulation resistance R_{iso}	$> 100 \text{ M}\Omega$ (500 V DC)
Tripping method	T (thermal)
Device resistance	$0.25 \text{ }\Omega$
Rated short-circuit switching capacity I_{cn}	12 A (250 V AC / 65 V DC)
	20 A (30 V DC)
Short-circuit switching capacity	2000 A (250 V AC / UL 1077)
	2000 A (72 V DC / UL 1077)
Dielectric strength	3000 V AC (Actuation area)
	1500 V AC (Installation area)
Switching cycles, max.	6000 (At $1 \times I_N$, low-induction)
	3000 (At $1 \times I_N$, inductive)
	500 (At $2 \times I_N$, inductive)

Connection data

Nominal current	2 A
Nominal voltage	250 V AC
	65 V DC

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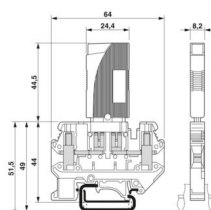
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Connection method	pluggable
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Dimensions

Dimensional drawing



Width	8.2 mm
Height	24.4 mm
Height NS 35/7,5	55 mm
Depth	44.5 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	IIIb
Insulating material	PPS

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP40 (Actuation area)
Ambient temperature (operation)	-20 °C ... 60 °C
Altitude	4000 m
Humidity test	240 h, 95 % RH, 40 °C

Standards and regulations

Standards/specifications	EN 60934
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Mounting

Mounting type	on base element
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Classifications

ECLASS

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	27140401

ETIM

ETIM 9.0	EC000899
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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