

Thermal device circuit breaker - TCP 10/20A



1324401

<https://www.phoenixcontact.com/us/products/1324401>

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Thermal miniature circuit breaker, can be plugged into PT 10-FSI/C Push-in fuse terminal block.

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	1324401
Packing unit	1 pc
Minimum order quantity	18 pc
Sales Key	00
Product Key	CLA111
GTIN	4063151614812
Weight per Piece (including packing)	13.211 g
Weight per Piece (excluding packing)	13.211 g
Customs tariff number	85362010
Country of origin	ID

Thermal device circuit breaker - TCP 10/20A



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Technical Data

Product properties

Type	Male
Product type	Thermal device circuit breakers
Number of positions	1

Insulation characteristics

Overvoltage category	II (Installation area)
	III (Actuation area)
Degree of pollution	2

Electrical properties

Fuse type	Automatic device
Fuse	Slow-blow

General

Rated voltage	250 V AC
	72 V DC
	250 V AC (UL/CSA)
	72 V DC (UL/CSA)
Rated current I_N	20 A
Rated surge voltage	2.5 kV
Insulation resistance R_{iso}	> 100 M Ω (500 V DC)
Tripping method	T (thermal)
Device resistance	0 Ω
Rated short-circuit switching capacity I_{cn}	200 A (250 V AC)
	200 A (72 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 x I_N , low-induction)
	3000 (At 1 x I_N , inductive)
	40 (at 6 x I_N , AC)

Dimensions

Width	9.5 mm
Height	24.4 mm
Height NS 35/7,5	55 mm
Depth	44.5 mm

Material specifications

Color	black
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Flammability rating according to UL 94	V-0
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)
	IP00 (Connection area)
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 4000 m (amsl (above mean sea level))
Humidity test	240 h, 95 % RH, 40 °C
Shock (operation)	25g (11 ms period, half-sine shock pulse, according to IEC 60068-2-27)
Vibration (operation)	± 0.38 mm (10 ... 57 Hz)
	5g (57 ... 500 Hz)

Standards and regulations

Standards/specifications	EN 60934
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Mounting

Mounting type	on base element
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Approvals



cUL Recognized
Approval ID: FILE E 140459



UL Recognized
Approval ID: FILE E 140459



VDE Zeichengenehmigung
Approval ID: 40054613



CSA
Approval ID: 80136839



CCC
Approval ID: 2022960307011952

cULus Recognized

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Classifications

ECLASS

ECLASS-9.0	27141116
ECLASS-10.0.1	27141116
ECLASS-11.0	27141116

ETIM

ETIM 8.0	EC000899
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UNSPSC

UNSPSC 21.0	39121400
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Mandatory Accessories

Fuse modular terminal block

Fuse modular terminal block - PT 10-FSI/C - 1088498

<https://www.phoenixcontact.com/us/products/1088498>



Fuse modular terminal block, fuse type: Flat, fuse type: C, nom. voltage: 400 V, nominal current: 30 A, connection method: Push-in connection, 1 level, Rated cross section: 10 mm², cross section: 0.5 mm²- 16 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Accessories

Flat zack marker sheet

Flat zack marker sheet - ZBFM 5/WH:UNBEDRUCKT - 0803595

<https://www.phoenixcontact.com/us/products/0803595>



Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5 x 4.5 mm, Number of individual labels: 120

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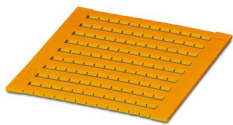
<https://www.phoenixcontact.com/us/products/1324401>

Flat zack marker sheet

Flat zack marker sheet - ZBFM 5/OG:UNBEDRUCKT - 0807180

<https://www.phoenixcontact.com/us/products/0807180>

Flat zack marker sheet, Sheet, orange, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap in, for terminal block width: 5.2 mm, lettering field size: 5 x 4.5 mm, Number of individual labels: 120



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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com

Thermal device circuit breaker - TCP 10/16A



1324402

<https://www.phoenixcontact.com/us/products/1324402>

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Commercial Data

Item number	1324402
Packing unit	1 pc
Minimum order quantity	18 pc
Sales Key	00
Product Key	CLA111
GTIN	4063151614263
Weight per Piece (including packing)	13.166 g
Weight per Piece (excluding packing)	13 g
Customs tariff number	85362010
Country of origin	ID

Thermal device circuit breaker - TCP 10/16A



1324402

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Technical Data

Product properties

Type	Male
Product type	Thermal device circuit breakers
Number of positions	1

Insulation characteristics

Overvoltage category	II (Installation area)
	III (Actuation area)
Degree of pollution	2

Electrical properties

Fuse type	Automatic device
Fuse	Slow-blow

General

Rated voltage	250 V AC
	72 V DC
	250 V AC (UL/CSA)
	72 V DC (UL/CSA)
Rated current I_N	16 A
Rated surge voltage	2.5 kV
Insulation resistance R_{iso}	> 100 M Ω (500 V DC)
Tripping method	T (thermal)
Device resistance	0 Ω
Rated short-circuit switching capacity I_{cn}	200 A (250 V AC)
	200 A (72 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)
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Switching cycles, max.	6000 (At 1 x I_N , low-induction)
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Dimensions

Width	9.5 mm
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Material specifications

Color	black
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Flammability rating according to UL 94	V-0
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)
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Mounting

Mounting type	on base element
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