

Thermomagnetic device circuit breaker - TMC 2 F1 120 2,0A - 0914811


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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Thermomagnetic circuit breaker, 2-pos., fast blow, 1 N/O contact and 1 N/C contact, with universal foot for mounting on NS 32 or NS 35

RoHS

Key Commercial Data

Packing unit	3 STK
GTIN	 4 017918 009496
GTIN	4017918009496
Sales Key	04

Technical data

General

Number of levels	2
Number of connections	4
Mounting type	DIN rail: 35 mm
Color	black
Number of positions	2
Overvoltage category_GRP	II
Insulating material	PA66
Flammability rating according to UL 94	V-2

Electrical data

Fuse type	Automatic device
Rated surge voltage	2.5 kV
Rated voltage	65 V DC
Rated current I _N	2 A
Insulation resistance R _{iso}	> 100 MΩ (500 V DC)
Rated short-circuit switching capacity I _{cn}	400 A
	2500 A (32 V DC)

Thermomagnetic device circuit breaker - TMC 2 F1 120 2,0A - 0914811

Technical data

Electrical data

Short-circuit switching capacity I_k	2000 A (UL 1077: 65 V DC)
Dielectric strength	3000 V AC (Actuation area)
	3000 V AC (Main to auxiliary circuit)
	1500 V AC (Position to position)
Switching cycles, max.	10000 (At 1 x I_n , inductive)
Degree of pollution	2
Overvoltage category_GRP	II
Insulating material group	II

Dimensions

Height	82.5 mm
Width	25 mm
Depth	96 mm

Ambient conditions

Degree of protection	IP30 (Actuation area)
	IP20 (Connection area)
Ambient temperature (operation)	-30 °C ... 60 °C

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	0.75 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
Connection method	Screw connection
Stripping length	12 mm

Thermomagnetic device circuit breaker - TMC 2 F1 120 2,0A - 0914811

Technical data

Connection data

Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Standards and Regulations

Standards/specifications	EN 60934
	UL 1077

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Approvals

Approvals


Approvals


CSA / UL Recognized / VDE Zeichengenehmigung / EAC


Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	074317
-----	---	---	--------

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140459
---------------	---	---	---------------

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029348
------------------------	---	---	----------

EAC			RU C- DE.A*30.B01546
-----	---	--	-------------------------

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>