

TMC 1 M1 100 20,0A - Thermal-magnetic device circuit breaker



0915470

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Thermal-magnetic circuit breaker, 1-pos., normal blow, 1 N/O contact, with universal foot for mounting on NS 32 or NS 35

Commercial data

Item number	0915470
Packing unit	6 pc
Minimum order quantity	1 pc
Sales key	CL04
Product key	CLA121
GTIN	4017918254995
Weight per piece (including packing)	64.6 g
Weight per piece (excluding packing)	63.57 g
Customs tariff number	85362010
Country of origin	DE

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Technical data

Product properties

Product type	Thermomagnetic device circuit breakers
Product family	TMC
Type	DIN rail module, one-piece
Number of positions	1
Number of connections	4
Number of rows	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Automatic device
Maximum load current	1 A (for 6 mm ² conductor cross-section - main contact) 1 A (for 6 mm ² conductor cross-section - auxiliary contact)
Rated surge voltage	4 kV
Switching capacity I _{CN}	400 A for nominal currents 0.2 - 5 A 800 A for nominal currents 6 - 16 A
Fuse	M1 (normal blow)

General

Tripping method	TM (thermal-magnetic)
Fuse	M1 (normal blow)
Contact switching type	1 N/O contact

Connection data

Maximum load current	1 A (for 6 mm ² conductor cross-section - main contact) 1 A (for 6 mm ² conductor cross-section - auxiliary contact)
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Main contact

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	12 mm
Internal cylindrical gage	A3
Conductor cross-section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²

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2 conductors with same cross section, solid	0.2 mm ² ... 0.75 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 0.75 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ²
Nominal current	20 A
Nominal voltage	250 V AC
	65 V DC

Auxiliary contact

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	12 mm
Internal cylindrical gage	A1
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Cross section AWG	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 1.5 mm ²
2 conductors with same cross section, solid	0.2 m ² ... 0.75 m ²
2 conductors with same cross section, flexible	0.2 m ² ... 0.75 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 0.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 0.75 mm ²
Nominal current	20 A
Nominal voltage	250 V AC
	65 V DC

Dimensions

Width	12.5 mm
Height	83.5 mm
Height NS 35/15	103.5 mm
Height NS 35/7,5	96 mm
Height NS 32	100.5 mm
Depth	96 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA-F

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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 60 °C
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Mounting

Mounting type	DIN rail: 35 mm
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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0915470>



CSA

Approval ID: 074317



UL Recognized

Approval ID: FILE E 140459



VDE Zeichengenehmigung

Approval ID: 40029348

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Classifications

ECLASS

ECLASS-13.0	27140401
ECLASS-15.0	27140401

ETIM

ETIM 9.0	EC003538
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UNSPSC

UNSPSC 21.0	39121410
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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EF3.0 Climate Change

CO2e kg	4.897 kg CO2e
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