

TMCP 1 M1 300 6,0A - Thermal-magnetic device circuit breaker



0915810

<https://www.phoenixcontact.com/us/products/0915810>

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Thermal-magnetic circuit breaker, 1-pos., normal blow, 1 N/O contact and 1 N/C contact



Your advantages

- Individually adjustable with protective plugs
- Switch higher starting currents with the aid of the M1 characteristic curve
- High-level system transparency with integrated remote indication contact
- Fast, replacement part-free recommissioning after an event with the reconnection options

Commercial data

Item number	0915810
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL04
Product key	CLA123
GTIN	4017918600655
Weight per piece (including packing)	44.108 g
Weight per piece (excluding packing)	38.852 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	TMCP
Type	Male
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	$\leq 1.62 \text{ VA}$

General

Rated voltage	250 V AC
	65 V DC
Rated current I_N	6 A
Rated surge voltage	2.5 kV
Insulation resistance R_{iso}	$> 100 \text{ M}\Omega$ (500 V DC)
Auxiliary circuit	240 V AC / 1 A (Low-induction)
	65 V AC / 1 A (Low-induction)
Tripping method	TM (thermal-magnetic)
Device resistance	0.045 Ω
Rated short-circuit switching capacity I_{cn}	800 A
	2500 A (32 V DC)
Short-circuit switching capacity	5000 A (UL 1077: 277 V AC)
	2000 A (UL 1077: 65 V DC)
Dielectric strength	3000 V AC (Actuation area)
	1500 V AC (Main to auxiliary circuit)
	1000 V AC (Auxiliary circuit 11 - 12 to 23 - 24)
Switching cycles, max.	10000 (At $1 \times I_N$, inductive)
Fuse	M1 (normal blow)
Contact switching type	1 N/O contact
	1 N/C contact

Connection data

Connection method	pluggable
Connection method	pluggable
Connection method	pluggable

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Dimensions

Width	12.5 mm
Height	50 mm
Depth	78.5 mm
Complete module width	38 mm
Complete module height	115 mm
Complete module depth	121 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-2
Insulating material group	II
Insulating material	PA66

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30 (Actuation area)
	IP00 (Connection area)
Ambient temperature (operation)	-30 °C ... 60 °C
Humidity test	240 h, 95 % RH, 40 °C

Standards and regulations

Standards/specifications	EN 60934
Standards/specifications	UL 1077

Mounting

Mounting type	on base element
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Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0915810>



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 10.0	EC003538
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UNSPSC

UNSPSC 21.0	39121400
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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.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	732538bd-5c93-4ec6-8ae7-457fcbf2b274

EF3.1 Climate Change

CO2e kg	3.099 kg CO2e
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