

# TMCP 1 M1 300 8,0A - Thermal-magnetic device circuit breaker



0915823

<https://www.phoenixcontact.com/us/products/0915823>

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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	0915823
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL04
Product key	CLA123
GTIN	4017918600662
Weight per piece (including packing)	47.16 g
Weight per piece (excluding packing)	47.16 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
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### General

Rated voltage	250 V AC
	65 V DC
Rated current $I_N$	8 A
Rated surge voltage	2.5 kV
Insulation resistance $R_{ISO}$	> 100 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	0.02 $\Omega$
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/0915823>



**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	64668a2e-9cf0-434e-addb-48c09c570958

### EF3.1 Climate Change

CO2e kg	3.145 kg CO2e
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