

TMCP 2 M1 300 6,0A - Thermal-magnetic device
circuit breaker

0916178
<https://www.phoenixcontact.com/us/products/0916178>

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Thermal-magnetic circuit breaker, 2-pos., normal blow, 1 N/O contact and 1 N/C contact

Commercial data

Item number	0916178
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL04
Product key	CLA123
GTIN	4017918601249
Weight per piece (including packing)	90 g
Weight per piece (excluding packing)	86.3 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	2

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	6 A
Rated surge voltage	2.5 kV
Insulation resistance R_{iso}	> 100 M Ω (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/480 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)
	1500 V (Position to position)
Switching cycles, max.	10000 (At 1 x I_N , inductive)
Fuse	M1 (normal blow)
Contact switching type	2 N/O contacts
	2 N/C contacts

Connection data

Connection method	pluggable
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Dimensions

Width	25 mm
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Height	50 mm
Depth	78.5 mm
Complete module width	38 mm
Complete module height	115 mm
Complete module depth	121 mm

Material specifications

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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