

0915001

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

#### Commercial data

Item number	0915001
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL04
Product key	CLA121
Catalog page	Page 282 (CL-2002)
GTIN	4017918009687
Weight per piece (including packing)	132.866 g
Weight per piece (excluding packing)	132.866 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
Туре	DIN rail module, one-piece
Number of positions	2
Number of connections	4
Number of rows	2
No. of channels	1
Insulation characteristics	
Overvoltage category	II
Degree of pollution	2
Data management status	
Article revision	04

Automatic device

Auxiliary contact

#### Electrical properties

Connection name

Fuse type

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eneral	
Rated voltage	250 V AC (3 AC 433 V)
	65 V DC
Rated current I <sub>N</sub>	2.5 A
Rated surge voltage	2.5 kV
Insulation resistance R <sub>iso</sub>	> 100 MΩ (500 V DC)
Auxiliary circuit	240 V AC / 1 A (Low-induction)
	65 V AC / 1 A (Low-induction)
Tripping method	TM (thermomagnetic)
Device resistance	0.183 Ω
Rated short-circuit switching capacity $I_{\rm cn}$	400 A
	2500 A (32 V DC)
Short-circuit switching capacity	5000 A ()
	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 <sub>n</sub> , inductive)
Fuse	M1 (normal blow)
Contact switching type	1 N/O contact
	1 N/C contact



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Operating voltage	240 V AC
	65 V DC
Operating current	2.5 A AC (Low-induction)

#### Connection data

#### Main contact

Screw thread	M3
Tightening torque	0.6 0.8 Nm
Stripping length	12 mm
Internal cylindrical gage	A3
Conductor cross section rigid	0.2 mm² 6 mm²
Cross section AWG	24 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 2.5 mm²
2 conductors with same cross section, solid	0.2 mm² 0.75 mm²
2 conductors with same cross section, flexible	0.2 mm² 0.75 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² 1 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 2.5 mm²
Nominal current	2.5 A
Nominal voltage	250 V AC
	65 V DC

#### Auxiliary contact

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Screw thread	M3
Tightening torque	0.6 0.8 Nm
Stripping length	12 mm
Internal cylindrical gage	A1
Conductor cross section rigid	0.2 mm² 2.5 mm²
Cross section AWG	24 14 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² 1.5 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 1.5 mm²
2 conductors with same cross section, solid	0.2 m² 0.75 m²
2 conductors with same cross section, flexible	0.2 m² 0.75 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² 0.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 0.75 mm²
Nominal current	2.5 A
Nominal voltage	250 V AC
	65 V DC

#### Main contact



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Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 Nm 0.8 Nm
Stripping length	12 mm
Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross section rigid	0.2 mm² 6 mm²
Conductor cross section AWG	24 10
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 2.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm² 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 4 mm²

#### Auxiliary contact

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 Nm 0.8 Nm
Stripping length	12 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 2.5 mm²

#### **Dimensions**

Width	25 mm
Height	82.5 mm
Depth	96 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 d	ata
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Open side panel	No
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#### Environmental and real-life conditions

#### Ambient conditions

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



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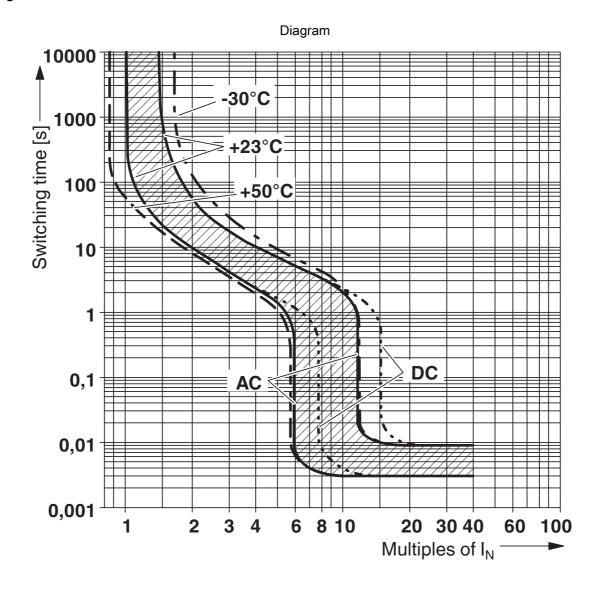
Humidity test	240 h, 95 % RH, 40 °C
Standards and regulations	
Standards/specifications	EN 60934
Standards/specifications	UL 1077
Mounting	
Mounting type	DIN rail: 35 mm



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### Drawings





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#### **Approvals**

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**CSA** 

Approval ID: 074317



**UL Recognized** 

Approval ID: FILE E 140459



EAC

Approval ID: RU C-DE.A\*30.B01546



VDE approval of drawings

Approval ID: 40029348

**UAE-RoHS** 

Approval ID: 23-10-88787



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### Classifications

#### **ECLASS**

UNSPSC 21.0

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	27140401
ETIM	
ETIM 9.0	EC003538
UNSPSC	

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	35b7a4f0-d764-4817-b6da-19797a0add47

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