

0914510

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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	0914510
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL04
Product key	CLA121
Catalog page	Page 282 (CL-2002)
GTIN	4017918009199
Weight per piece (including packing)	63.2 g
Weight per piece (excluding packing)	63.2 g
Customs tariff number	85362010
Country of origin	DE



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#### Technical data

#### Product properties

Туре	DIN rail module, one-piece	
Product type	Thermomagnetic device circuit breakers	
Product family	TMC	
Number of positions	1	
Number of connections	4	
Number of rows	2	
No. of channels	1	
Insulation characteristics		
Overvoltage category	II	
Degree of pollution	2	

#### Electrical properties

Fuse type	Automatic device
neral	
Rated voltage	250 V AC
	65 V DC
Rated current I <sub>N</sub>	8 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	0.02 Ω
Rated short-circuit switching capacity $\rm I_{cn}$	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)
	3000 V AC (Main to auxiliary circuit)
Switching cycles, max.	10000 (At 1 x I <sub>n</sub> , inductive)
Fuse	M1 (normal blow)

#### Indicator/remote signaling

Connection name	Auxiliary contact
Operating voltage	240 V AC
	65 V DC
Operating current	8 A AC (Low-induction)

#### Connection data



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#### 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 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Nominal current	8 A
Nominal voltage	250 V AC
	65 V DC

#### Auxiliary contact

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 m <sup>2</sup> 0.75 m <sup>2</sup>
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 mm <sup>2</sup> 0.75 mm <sup>2</sup>
Nominal current	8 A
Nominal voltage	250 V AC
	65 V DC

#### Main contact

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 Nm 0.8 Nm
Stripping length	12 mm



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Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross section rigid	0.2 mm² 6 mm²
Conductor cross section AWG	24 10
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> 4 mm <sup>2</sup>

#### 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 mm² 1.5 mm²
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**

Dimensional drawing	83.5 0 0 0 0 0 0 0 0
Width	12.5 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 data

Open side panel	No
- harrier	

#### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP30 (Actuation area)



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	IP20 (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	DIN rail: 35 mm			



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### Classifications

#### **ECLASS**

	ECLASS-11.0	27141116		
	ECLASS-12.0	27141116		
	ECLASS-13.0	27140401		
ETIM				
	ETIM 9.0	EC000899		
UNSPSC				
	UNSPSC 21.0	39121400		



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### Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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