

2800852

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Thermomagnetic device circuit breaker, 1-pos., tripping characteristic M1 (medium-blow), 1 changeover contact, plug for base element.

#### Your advantages

- · Individually adjustable with protective plugs
- · Switch higher starting currents with the aid of the M1 characteristic curve
- · Protective plug with fixed nominal current value as protection against unintentional changes
- · Increased safety with electrical isolation in the event of errors

#### Commercial data

Item number	2800852
Packing unit	1 pc
Sales key	CL04
Product key	CLA124
Catalog page	Page 392 (C-4-2019)
GTIN	4046356690034
Weight per piece (including packing)	43.5 g
Weight per piece (excluding packing)	43 g
Customs tariff number	85362010
Country of origin	ID



When mounted in rows, the nominal device current can be limited to just 80% or must be overdimensioned accordingly.

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#### Technical data

General

#### Notes

уре	Male
Product type	Thermomagnetic device circuit breakers
Product family	CB TM
Number of positions	1
No. of channels	1

#### Electrical properties

Fuse type	Automatic device
General	
Rated voltage	50 V DC (IEC 60934)
	50 V DC (UL 1077)
	50 V DC (UL 508 - with plug-in base)
	240 V AC (Ue according to IEC 60934)
	277 V AC (UL 1077)
	277 V AC (UL 508 - with plug-in base)
Rated insulation voltage U <sub>i</sub>	277 V AC (UL 1077)
	250 V AC (IEC 60934)
Rated current I <sub>N</sub>	6 A (IEC 60934)
	6 A AC (inductive load according to UL 1077)
	6 A DC (low-induction load according to UL 1077)
	6 A AC (inductive load according to UL 508 - with plug-in base)
	6 A DC (low-induction load according to UL 508 - with plug-in base)
Rated surge voltage	2.5 kV (Increased insulation in actuation area)
Insulation resistance R <sub>iso</sub>	> 100 MΩ (500 V DC)
Auxiliary circuit	277 V AC / 0.5 A (Low-induction)
	277 V AC / 1 A (Low-induction, maximum of 2000 cycles)
	50 V DC / 1 A (Low-induction)
Type of actuation	S type
Tripping method	TM (thermomagnetic)
Tripping level	Trip-free mechanism (positive)
Device resistance	50 mΩ
Required backup fuse	24 A (I > I <sub>cn</sub> )
Rated short-circuit switching capacity $\mathbf{I}_{\mathrm{cn}}$	300 A (240 V AC)



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	600 A (50 V DC)
Short-circuit switching capacity	1000 A AC (277 V AC)
	1000 A DC (50 V DC)
Dielectric strength	3000 V AC (Actuation area)
	1500 V AC (Main to auxiliary circuit)
	1500 V AC (Open main circuit)
	1000 V AC (Open auxiliary circuit)
Switching cycles, max.	6000 (at 1 x I <sub>n</sub> )
Fuse	M1 (normal blow)
Power dissipation	1.8 W (in nominal operation per channel)
Voltage drop	0.29 V (at 1 x I <sub>n</sub> )
xiliary contact	
Minimum operating voltage U <sub>min</sub> DC	10 V
Maximum operating voltage U <sub>max</sub> DC	240 V
Maximum operating voltage U <sub>max.</sub> AC	240 V
Minimum operating current I <sub>min</sub>	10 mA
Max. operating current I <sub>max</sub>	1 A

#### Connection data

Connection method	pluggable
Connection method	pluggable

#### Dimensions

Dimensional drawing	90 45 12.3
Width	12.3 mm
Height	45 mm
Depth	52 mm
Complete module width	12.3 mm
Complete module height	90 mm
Complete module depth	77.3 mm

#### Material specifications

Color	gray (RAL 7042)
	black (RAL 9005)
Flammability rating according to UL 94	V-0
Insulating material group	II

#### Mechanical properties



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Mounting type

Open side panel	No
ronmental and real-life conditions	
nbient conditions	
Degree of protection	IP30 (Actuation area)
Ambient temperature (operation)	-30 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Humidity test	240 h, 95 % RH, 40 °C
Shock (operation)	30g (According to IEC 60068-2-27, Test Ea)
Vibration (operation)	8g (in accordance with IEC 60068-2-6, Test Fc)
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approval	UL Listed UL 508
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approval Identification  6A Identification	UL/C-UL Recognized UL 1077
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on base element



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### Classifications

#### **ECLASS**

	ECLASS-11.0	27140401
	ECLASS-12.0	27140401
	ECLASS-13.0	27140401
ETIM		
	ETIM 9.0	EC003538
UNSPSC		
	UNSPSC 21.0	39121400



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### Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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