

2800853

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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	2800853
Packing unit	1 pc
Sales key	CL04
Product key	CLA124
Catalog page	Page 392 (C-4-2019)
GTIN	4046356690041
Weight per piece (including packing)	44.6 g
Weight per piece (excluding packing)	42.3 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 _i	277 V AC (UL 1077)
	250 V AC (IEC 60934)
Rated current I _N	8 A (IEC 60934)
	8 A AC (inductive load according to UL 1077)
	8 A DC (low-induction load according to UL 1077)
	8 A AC (inductive load according to UL 508 - with plug-in base)
	8 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 _{iso}	> 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	18 mΩ
Required backup fuse	32 A (I > I _{cn})
Rated short-circuit switching capacity I _{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 _n)
Fuse	M1 (normal blow)
Power dissipation	1.28 W (in nominal operation per channel)
Voltage drop	0.14 V (at 1 x I _n)
xiliary contact	
Minimum operating voltage U _{min} DC	10 V
Maximum operating voltage U _{max} DC	240 V
Maximum operating voltage U _{max.} AC	240 V
Minimum operating current I _{min}	10 mA
Max. operating current I _{max}	1 A

Connection data

Connection method	pluggable
Connection method	pluggable

Dimensions

Dimensional drawing	90 45 12.3 12.3 12.3 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

Mounting type

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Open side panel	No
ironmental and real-life conditions	
inonmental and real-life conditions	
ambient 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)
orovals	
JL approval	
	UL Listed UL 508
JL approval	UL Listed UL 508 UL/C-UL Recognized UL 1077
JL approval	
JL approval Identification	
JL approval Identification	UL/C-UL Recognized UL 1077
IL approval Identification CSA Identification	UL/C-UL Recognized UL 1077
Identification CSA Identification Chipbuilding approval Identification	UL/C-UL Recognized UL 1077 CSA CAN/CSA-C22.2 No. 235-04
IL approval Identification CSA Identification Shipbuilding approval	UL/C-UL Recognized UL 1077 CSA CAN/CSA-C22.2 No. 235-04

on base element



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Classifications

UNSPSC 21.0

ECLASS

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

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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