

Thermomagnetic device circuit breaker - TMC 72B 13A



1019940

<https://www.phoenixcontact.com/us/products/1019940>

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Thermomagnetic device circuit breaker, number of positions: 2, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 35.3 mm, mounting type: DIN rail: 35 mm, Color: gray

Commercial Data

Item number	1019940
Packing unit	1 pc
Sales Key	C30
Product Key	CLA126
GTIN	4055626508306
Weight per Piece (including packing)	222.222 g
Weight per Piece (excluding packing)	222.222 g
Customs tariff number	85362010
Country of origin	CN

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Technical Data

Product properties

Type	DIN rail module, one-piece
Product type	Thermomagnetic device circuit breakers
Number of positions	2
Mechanical service life	20000

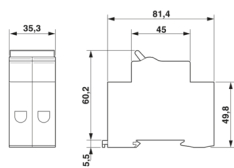
Electrical properties

Service life electrical	6000
Operating voltage	277 V AC (277/480Y, 240D) 125 V DC (two poles in series)
Rated current I_N	13 A
Tripping method	TM (thermomagnetic)
Rated short-circuit switching capacity I_{cn}	5 kA (277/480Y, 240D) 7.5 kA (125 V DC, two poles in series)
Fuse	B (curve)

Connection data

Tightening torque	... 2 Nm
Conductor cross section solid	1 mm ² ... 35 mm ²
Cross section AWG	18 ... 2
Conductor cross section flexible	1 mm ² ... 35 mm ²

Dimensions

Dimensional drawing	
Width	35.3 mm
Width	35.3 mm
Height	82 mm
Depth	65.7 mm

Material specifications

Color	gray
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-35 °C ... 70 °C
Humidity test	48 h, 95% RH, 40°C (IEC 60068-2-78)

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Shock (operation)	30g (11 ms) (IEC 60068-2-11, test Ea)
Vibration (operation)	±0.38 mm (10-57 Hz), 5g (57...500 Hz) (Sinusoidal test to IEC 60068-2-6, Test Fc. 10 frequency cycles per axis)

Standards and regulations

Standards/specifications	UL 1077
Standards/specifications	IEC 60947-2

Mounting

Mounting type	DIN rail: 35 mm
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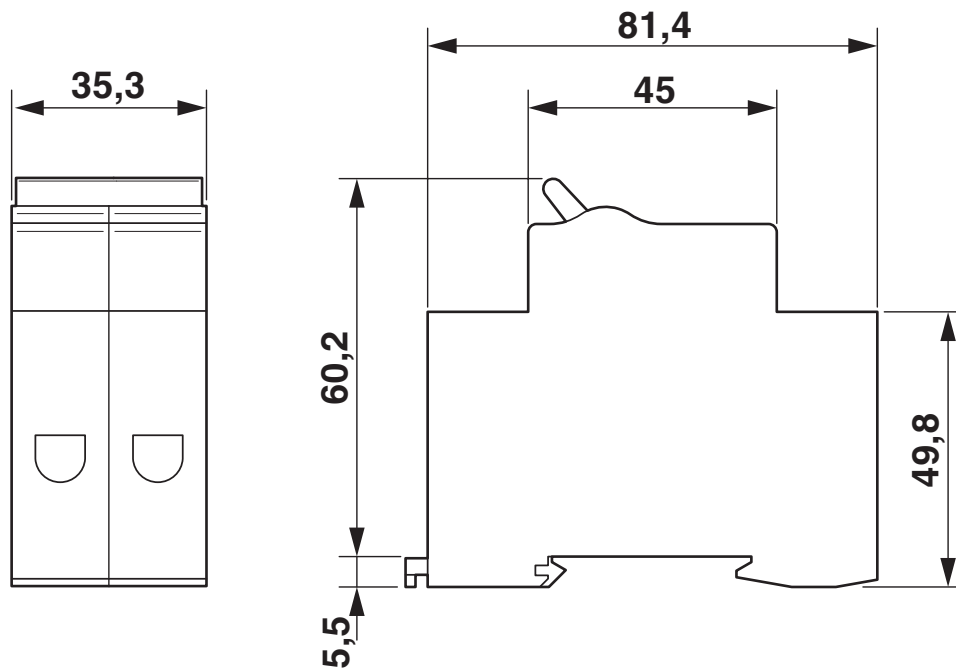


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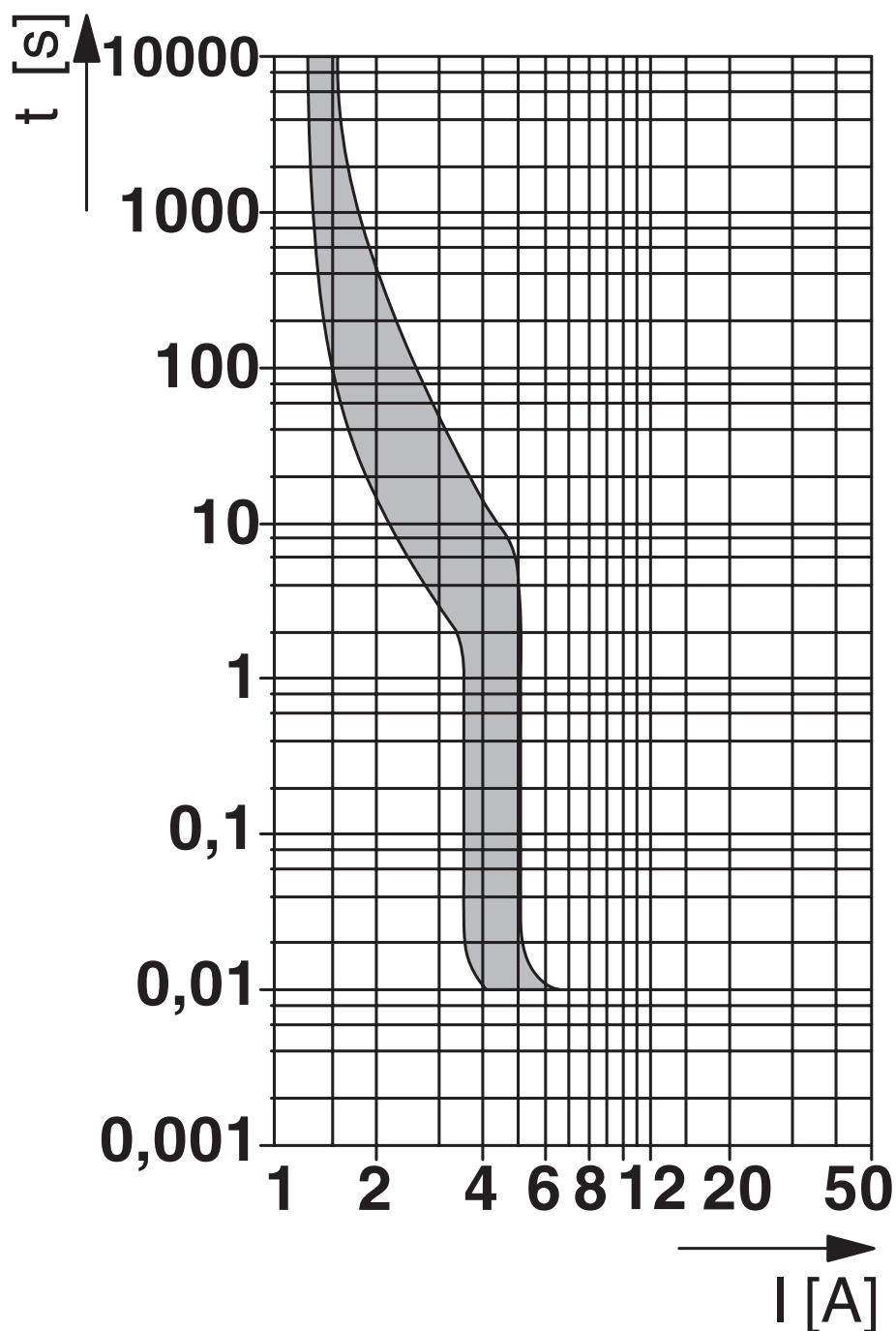
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Drawings

Dimensional drawing



Diagram



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Approvals



cUL Recognized

Approval ID: FILE E 140459



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cULus Recognized

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Classifications

ECLASS

ECLASS-10.0.1	27141116
ECLASS-9.0	27141116
ECLASS-11.0	27141116

ETIM

ETIM 7.0	EC000899
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UNSPSC

UNSPSC 21.0	39121410
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
	Cadmium oxide 1306-19-0

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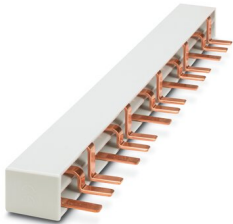
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Accessories

Wiring bridge

Wiring bridge - TMC 7 B2 80 56 C - 1022236

<https://www.phoenixcontact.com/us/products/1022236>

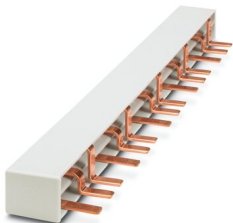


Bus bar for TMC 72... circuit breakers (two phase) 17.8 mm pitch, up to 56 positions. Rated for 80 A (end feed) 600 V AC/DC. UL 508 Listed for connection of UL 1077 rated circuit breakers.

Wiring bridge

Wiring bridge - TMC 7 B2 80 46 CA - 1022235

<https://www.phoenixcontact.com/us/products/1022235>



Bus bar for TMC 72... circuit breakers (two phase) 17.8 mm pitch, up to 46 positions. Rated for 80 A (end feed) 600 V AC/DC. UL 508 Listed for connection of UL 1077 rated circuit breakers.

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Terminal adapter

Terminal adapter - TMC 7 B2/3 TERM - 1022232

<https://www.phoenixcontact.com/us/products/1022232>



Feeder terminal adapter for TMC 72 or TMC 73 circuit breakers, two- or three-phase bus bars. Rated for 600 V AC/DC 115 A. Wire range 10...1/0 AWG. UL 508 Listed for connection to UL 1077 rated circuit breakers.

Wiring bridge end cover

Wiring bridge end cover - TMC 7 B2/3 END CAP - 1022229

<https://www.phoenixcontact.com/us/products/1022229>



Protective end covers for TMC 7 multi-pole bus bars

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Protective cover

Protective cover - TMC 7 B BUS CAP - 1022224

<https://www.phoenixcontact.com/us/products/1022224>



Protective covers for TMC 7 single-pole bus bars. Cuttable, five positions, yellow.

Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 AUX - 2908219

<https://www.phoenixcontact.com/us/products/2908219>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 9 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 ALARM - 2908220

<https://www.phoenixcontact.com/us/products/2908220>

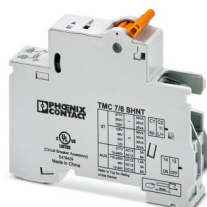


Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 9 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 12VDC SHNT - 2908221

<https://www.phoenixcontact.com/us/products/2908221>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 24VDC SHNT - 2908222

<https://www.phoenixcontact.com/us/products/2908222>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 48VDC SHNT - 2908224

<https://www.phoenixcontact.com/us/products/2908224>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 125VDC SHNT - 2908225

<https://www.phoenixcontact.com/us/products/2908225>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 120VAC SHNT - 2908226

<https://www.phoenixcontact.com/us/products/2908226>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 240VAC SHNT - 2908227

<https://www.phoenixcontact.com/us/products/2908227>

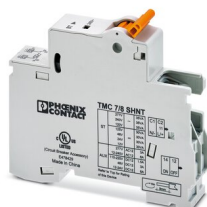


Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

Thermomagnetic device circuit breaker

Thermomagnetic device circuit breaker - TMC 7/8 277VAC SHNT - 2908228

<https://www.phoenixcontact.com/us/products/2908228>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Label

Label - EML (10X4)R - 0815583

<https://www.phoenixcontact.com/us/products/0815583>



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 10 x 4 mm, Number of individual labels: 10000

Marking foil for zack marker strip

Marking foil for zack marker strip - TML (104X3,8)R - 0801833

<https://www.phoenixcontact.com/us/products/0801833>



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 3.8 mm, Number of individual labels: 2500

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