TMC 73B 12A - Power circuit breaker

1019960

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Power circuit breaker, 3-position, use: Supplementary Protector (UL 1077), for protection against overcurrent up to a short-circuit current of 7.5 kA. Supplementary protector; OC; UG- EA,B,D., tripping characteristic: B, mounting type: NS 35/..., rated current: 12 A

Product description

CCC marking on the product is only present on products purchased from Phoenix Contact China.

Your advantages

- Can be used worldwide due to international approvals
- Suitable for various grid types, as it is available in 1-, 2-, 3-pos. versions
- Ideally coordinated protection due to various tripping characteristics and a wide selection of nominal currents
- Reduced inventory because of suitability for AC and DC applications
- Optional accessories enable remote control and monitoring

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1019960
Packing unit	4 pc
Minimum order quantity	4 pc
Sales key	CLA126
Product key	CLA126
GTIN	4055626508474
Weight per piece (including packing)	222.222 g
Weight per piece (excluding packing)	351 g
Customs tariff number	85362010

Country of origin	CN

Technical data

Product properties

Product type	Circuit breakers
Product family	TMC 7
Type	DIN rail module, one-piece
Number of positions	3
Mechanical service life	20000
Special properties	Supplementary Protector (UL 1077), for protection against overcurrent up to a short-circuit current of 7.5 kA. Supplementary protector; OC; UG- EA,B,D.

Electrical properties

Service life electrical	6000

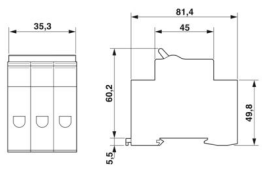
General

Operating voltage	277 V AC (277/480Y, 240D)
Rated current I_N	12 A
Tripping method	TM (thermal-magnetic)
Rated short-circuit switching capacity I_{cn}	7.5 kA (277/480Y, 240D)
Fuse	B
Contact switching type	none

Connection data

Conductor cross-section rigid	1 mm² ... 35 mm²
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	1 mm² ... 35 mm²
Connection method	Screw connection
Tightening torque, min	2 Nm
Tightening torque	2 Nm
Stripping length	11 mm ... 12 mm
Conductor cross-section flexible max.	35 mm²
Conductor cross-section, rigid max.	35 mm²
Conductor cross-section flexible	1 mm² ... 35 mm²
Conductor cross-section rigid	1 mm² ... 35 mm²
Conductor cross-section AWG	18 ... 2

Dimensions

Dimensional drawing	
Width	52.9 m

Height	84.3 mm
Depth	76.6 mm (incl. DIN rail 7.5 mm)

Material specifications

Color	light gray (RAL 7035)
	orange (RAL 2003)
Flammability rating according to UL 94	V-0

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)
Shock (operation)	30g (11 ms) (IEC 60068-2-11, test Ea)
Vibration (operation)	±0,38 mm (10 Hz ... 57 Hz), 5g (57 Hz ... 500 Hz) (Sinusoidal test to IEC 60068-2-6, Test Fc. 10 frequency cycles per axis)

Standards and regulations

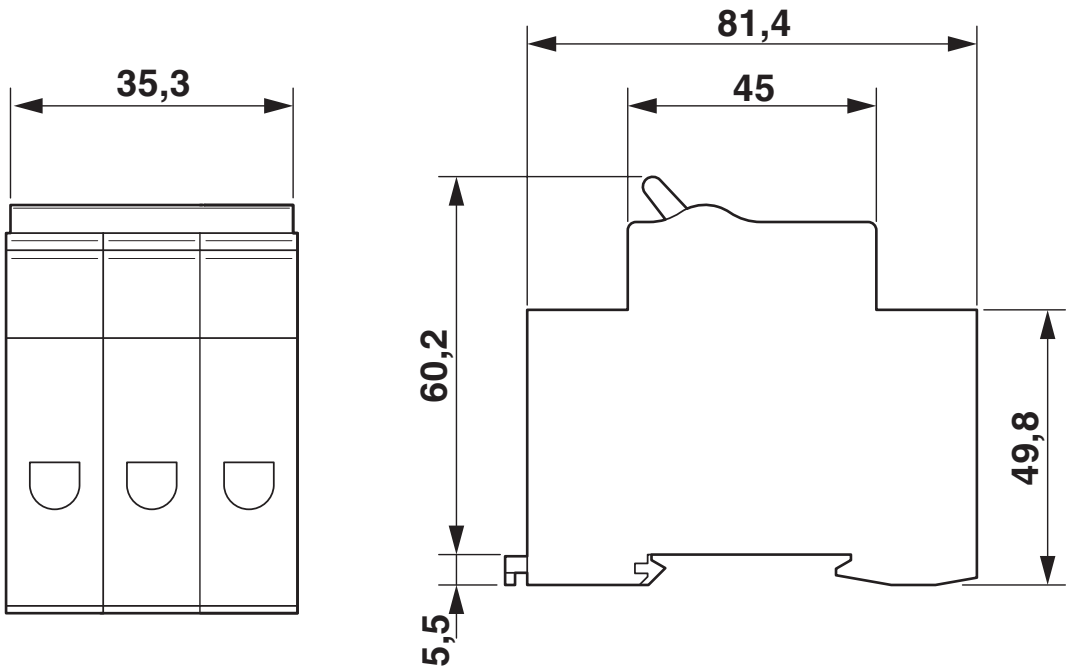
Standards/specifications	UL 1077
Standards/specifications	IEC 60947-2

Mounting

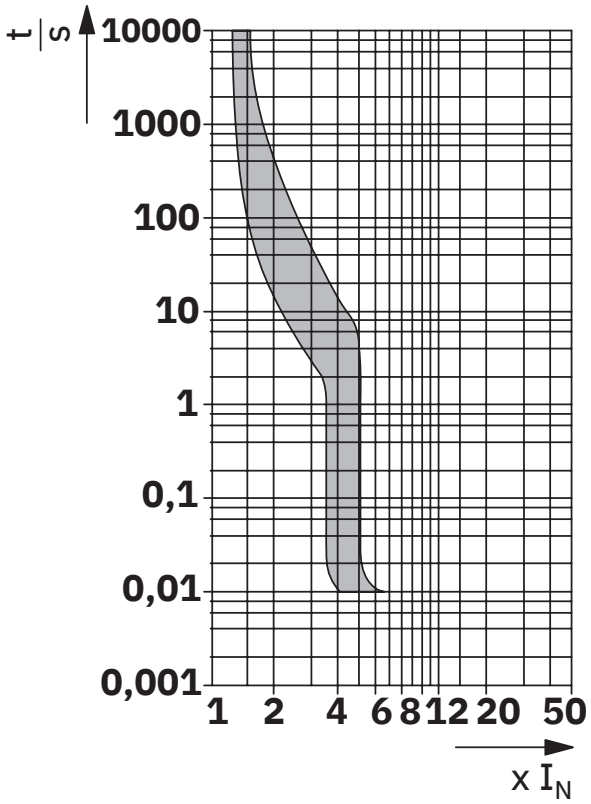
Mounting type	NS 35/...

Drawings

Dimensional drawing



Diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1019960

cUL Recognized
Approval ID: FILE E 140459

UL Recognized
Approval ID: FILE E 140459

TÜV Rheinland
Approval ID: R 50531587

CCC
Approval ID: 2024010307673885

Classifications

ECLASS

ECLASS-13.0	27140401
ECLASS-15.0	27140401

ETIM

ETIM 10.0	EC003538

UNSPSC

UNSPSC 21.0	39121410

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	5.826 kg CO2e

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