

# TMC 81C 20A - Thermomagnetic device circuit breaker

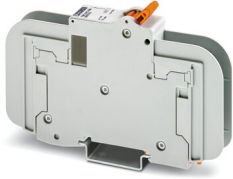


2907573

<https://www.phoenixcontact.com/ca/products/2907573>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.

Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, mounting type: DIN rail: 35 mm



## Commercial Data

Item number	2907573
Packing unit	12 pc
Minimum order quantity	1 pc
Sales Key	C34
Product Key	CLA125
GTIN	4055626214856
Weight per Piece (including packing)	135.01 g
Weight per Piece (excluding packing)	133.01 g
Customs tariff number	85362010
Country of origin	CN

# TMC 81C 20A - Thermomagnetic device circuit breaker



2907573

<https://www.phoenixcontact.com/ca/products/2907573>

## Technical Data

### Product properties

Type	DIN rail module, one-piece
Product type	Thermomagnetic device circuit breakers
Product family	TMC 8
Number of positions	1
Mechanical service life	20000

### Electrical properties

Service life electrical	6000
-------------------------	------

### General

Operating voltage	120 V AC (277 V AC)
	60 V DC
Rated current $I_N$	20 A
Tripping method	TM (thermomagnetic)
Rated short-circuit switching capacity $I_{cn}$	10 kA (IC)
Fuse	C

### Connection data

Tightening torque	... 2 Nm
Conductor cross section rigid	1 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross section flexible	1 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Connection method	Screw
Tightening torque, min	2 Nm
Conductor cross section flexible max.	35 mm <sup>2</sup>
Conductor cross section, rigid max.	35 mm <sup>2</sup>

### Dimensions

Dimensional drawing	
Width	17.6 mm
Height	116 mm
Depth	65.7 mm

### Environmental and real-life conditions

#### Ambient conditions

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

# TMC 81C 20A - Thermomagnetic device circuit breaker



2907573

<https://www.phoenixcontact.com/ca/products/2907573>

Shock (operation)	30g (11 ms) (IEC 60068-2-11)
Vibration (operation)	±0.38 mm (10-57 Hz), 5g (57...500 Hz) (IEC 60068-2-6, Fc, sine)

## Standards and regulations

Standards/specifications	UL 489
	IEC 60947-2

## Mounting

Mounting type	DIN rail: 35 mm
---------------	-----------------

Phoenix Contact 2023 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
8240 Parkhill Drive  
Milton, Ontario L9T 5V7  
1-800-890-2820  
[cdinfo@phoenixcontact.ca](mailto:cdinfo@phoenixcontact.ca)