

## Thermomagnetic device circuit breaker - TMC 83D 12A - 2907685


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Thermomagnetic device circuit breaker, number of positions: 3, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 52.9 mm, mounting type: DIN rail, Color: gray

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 216287
GTIN	4055626216287
Weight per Piece (excluding packing)	150.000 g
Country of origin	China

### Technical data

#### General

Mounting type	DIN rail
Color	gray
Number of positions	3

#### Electrical data

Operating voltage	240 V AC (277/480Y, 240D)
Rated current $I_N$	12 A
Rated short-circuit switching capacity $I_{cn}$	10 kA (IC)

#### Dimensions

Height	116 mm
Width	52.9 mm
Depth	65.7 mm

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-35 °C ... 70 °C
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### Connection data

Conductor cross section solid min.	1 mm <sup>2</sup>
Conductor cross section solid max.	35 mm <sup>2</sup>
Conductor cross section flexible min.	1 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Conductor cross section AWG min.	18
Conductor cross section AWG max.	2
Connection method	Screw
Tightening torque max	2 Nm

### Standards and Regulations

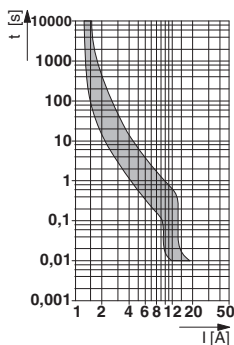
Standards/specifications	UL 489 IEC 60947-2
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### Environmental Product Compliance

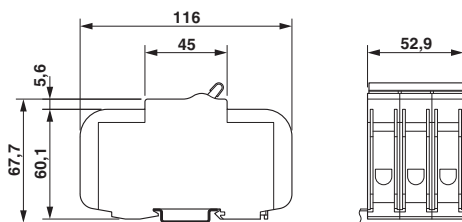
REACH SVHC	Lead 7439-92-1
	Cadmium oxide 1306-19-0

## Drawings

Diagram



Dimensional drawing



## Classifications

eCl@ss

eCl@ss 10.0.1	27141116
eCl@ss 11.0	27141116
eCl@ss 4.0	27141116
eCl@ss 4.1	27141116

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## Classifications

### eCl@ss

eCl@ss 5.0	27141116
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141116
eCl@ss 9.0	27141116

### ETIM

ETIM 3.0	EC000899
ETIM 4.0	EC000899
ETIM 6.0	EC000899
ETIM 7.0	EC000899

### UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121620
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 320373
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## Approvals

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 320373
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cULus Listed			
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## Accessories

### Accessories

#### Bridge

Wiring bridge - TMC 8 B3 80 57 C - 2907996



Bus bar for TMC 83... circuit breakers (three phase) 17.8 mm pitch, up to 57 positions. Rated for 80 A (end feed) 600 V AC/DC. UL 508 Listed for connection of UL 489 rated circuit breakers.

Wiring bridge - TMC 8 B3 80 48 CA - 2907997



Bus bar for TMC 83... circuit breakers (three phase) with auxilliary switch. 17.8 mm pitch, up to 48 positions. Rated for 80 A (end feed) 600 V AC/DC. UL 508 Listed for connection of UL 489 rated circuit breakers.

#### Device marking

Label - EML (10X4)R - 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

#### Terminal marking

## Thermomagnetic device circuit breaker - TMC 83D 12A - 2907685

### Accessories

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

#### Terminal adapter - TMC 8 B TERM PIN - 2907998



Feeder terminal adapter for TMC 8..... circuit breaker bus bars. Rated for 1000 V AC/DC, 115 A. Wire range 14...2 AWG. UL Listed for connection to UL 489 rated circuit breakers.

#### Wiring bridge end cover - TMC 8 B END CAP - 2907999



Protective end covers for TMC 8 bus bars

#### Protective covers - TMC 8 B BUS CAP - 2908000



Protective covers for TMC 8 bus bars. Cuttable, three positions, yellow.

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



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, width: 9 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

## Thermomagnetic device circuit breaker - TMC 83D 12A - 2907685

### Accessories

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



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, width: 9 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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## Thermomagnetic device circuit breaker - TMC 83D 12A - 2907685

### Accessories

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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



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, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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