

## Thermomagnetic device circuit breaker - TMC 83D 01A - 2907674

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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 STK     |
| 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                               | 277 V AC (277/480Y, 240D) |
| Rated current $I_N$                             | 1 A                       |
| Rated short-circuit switching capacity $I_{cn}$ | 10 kA (IC)                |

#### Dimensions

|        |         |
|--------|---------|
| Height | 116 mm  |
| Width  | 52.9 mm |
| Depth  | 65.7 mm |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -35 °C ... 70 °C |
|---------------------------------|------------------|

#### Connection data

# Thermomagnetic device circuit breaker - TMC 83D 01A - 2907674

## Technical data

### Connection data

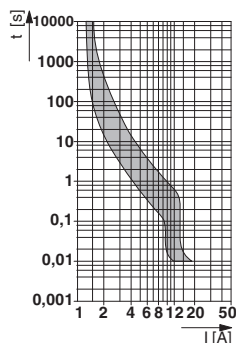
|                                       |                    |
|---------------------------------------|--------------------|
| Conductor cross section solid min.    | 1 mm <sup>2</sup>  |
| Conductor cross section solid max.    | 35 mm <sup>2</sup> |
| Conductor cross section flexible min. | 1 mm <sup>2</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

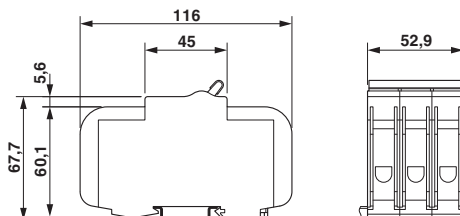
|                          |                    |
|--------------------------|--------------------|
| Standards/specifications | UL 489 IEC 60947-2 |
|--------------------------|--------------------|

## Drawings

Diagram



Dimensional drawing



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141116 |
| eCl@ss 4.1 | 27141116 |
| eCl@ss 5.0 | 27141116 |
| eCl@ss 5.1 | 27141116 |
| eCl@ss 6.0 | 27141116 |
| eCl@ss 7.0 | 27141116 |
| eCl@ss 8.0 | 27141116 |
| eCl@ss 9.0 | 27141116 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |
| ETIM 6.0 | EC000899 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211812 |
| UNSPSC 7.0901 | 39121411 |
| UNSPSC 11     | 39121411 |
| UNSPSC 12.01  | 39121411 |
| UNSPSC 13.2   | 39121620 |

### Approvals

#### Approvals

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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 |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|            |                                                                                     |                                                                                                                                                       |               |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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 |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|              |                                                                                     |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|
| cULus Listed |  |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|

