

# Protective devices

## Device circuit breakers

### Thermomagnetic circuit breaker UT 6-TMC ...

- Thermomagnetic circuit breakers feature a compact design, large-surface marking options, and a double plug-in bridge shaft
- With bridge shafts enabling them to be bridged together easily
- 12.3 mm compact design
- High level of system availability thanks to their reclosure function and clear status display
- Eleven nominal current levels can be selected from 0.5 A to 16 A
- Clear assignment of the relevant circuit breaker thanks to the large center marking area

A complete data sheet is available to download for each product at [phoenixcontact.net/products](http://phoenixcontact.net/products).



DIN-rail-mountable

CE, RoHS, ENEC, UL  
Total width 12.3 mm

| Rated data                                      |  |
|---|--|
| Rated voltage                                   | 240 V AC   |
| Rated voltage                                   | 28 V DC  |
| Nominal current $I_N$                           | Depends on the product version selected                          |
| Disconnection                                   |  |
| Shutdown time                                   | See tripping characteristic                                      |
| Fuse type                                       | Normal blow (M1)   |
| Rated short-circuit switching capacity $I_{cn}$ | 200 A (240 V AC) / 400 A (28 V DC)                               |
| Cycles, max.                                    | 6000 (at 1 x $I_N$ )   |
| General data                                    |  |
| Dimensions W / H / D                            | 12.3 mm / 85.5 mm / 89.5 mm                                      |
| Connection method                               | Screw connection   |
| Connection data solid / stranded / AWG          | 0.2 ... 10 mm <sup>2</sup> / 0.2 ... 10 mm <sup>2</sup> / 24 - 8 |
| Stranded conductor cross section with ferrule   | 0.25 ... 6 mm <sup>2</sup>                                       |
| Ambient temperature (operation)                 | -30°C ... 60°C   |
| Degree of protection                            | IP40 (actuation area) / IP20 (connection area)                   |
| Standards/regulations                           | EN 60934 / UL 1077 / CSA 22.2                                    |

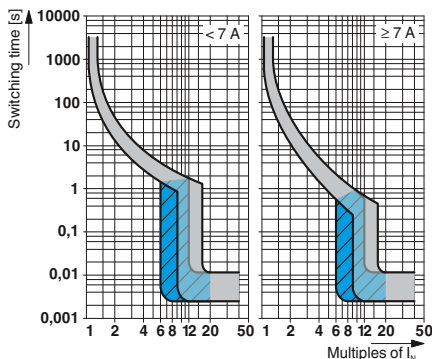
| Technical data   |          |     |
|--|----------|-----|
| IEC  | UL / CUL | CSA |
| 240 V AC   | 240 V AC | -   |
| 28 V DC  | 28 V DC  | -   |
| Depends on the product version selected                          |          |     |
| See tripping characteristic                                      |          |     |
| Normal blow (M1)   |          |     |
| 200 A (240 V AC) / 400 A (28 V DC)                               |          |     |
| 6000 (at 1 x $I_N$ )   |          |     |
| 12.3 mm / 85.5 mm / 89.5 mm                                      |          |     |
| Screw connection   |          |     |
| 0.2 ... 10 mm <sup>2</sup> / 0.2 ... 10 mm <sup>2</sup> / 24 - 8 |          |     |
| 0.25 ... 6 mm <sup>2</sup>                                       |          |     |
| -30°C ... 60°C   |          |     |
| IP40 (actuation area) / IP20 (connection area)                   |          |     |
| EN 60934 / UL 1077 / CSA 22.2                                    |          |     |

| Description  | Nominal current |
|--|-----------------|
| Thermomagnetic circuit breaker, for mounting on NS 35... |                 |
|  | 0.5 A           |
|  | 1 A             |
|  | 2 A             |
|  | 4 A             |
|  | 5 A             |
|  | 6 A             |
|  | 8 A             |
|  | 10 A            |
|  | 12 A            |
|  | 15 A            |
|  | 16 A            |

| Ordering data   |           |             |
|-----------------|-----------|-------------|
| Type            | Order No. | Pcs. / Pkt. |
| UT 6-TMC M 0,5A | 0916603   | 6           |
| UT 6-TMC M 1A   | 0916604   | 6           |
| UT 6-TMC M 2A   | 0916605   | 6           |
| UT 6-TMC M 4A   | 0916606   | 6           |
| UT 6-TMC M 5A   | 0916607   | 6           |
| UT 6-TMC M 6A   | 0916608   | 6           |
| UT 6-TMC M 8A   | 0916609   | 6           |
| UT 6-TMC M 10A  | 0916610   | 6           |
| UT 6-TMC M 12A  | 0916611   | 6           |
| UT 6-TMC M 15A  | 0916612   | 6           |
| UT 6-TMC M 16A  | 0916613   | 6           |

| Jumper, red | Number of positions |
|-------------|---------------------|
|             | 2                   |
|             | 3                   |
|             | 4                   |
|             | 5                   |
|             | 10                  |
|             | 20                  |

| Accessories |         |    |
|-------------|---------|----|
|             |         |    |
| FBS 2-6     | 3030336 | 50 |
| FBS 3-6     | 3030242 | 50 |
| FBS 4-6     | 3030255 | 50 |
| FBS 5-6     | 3030349 | 50 |
| FBS 10-6    | 3030271 | 10 |
| FBS 20-6    | 3030365 | 10 |



Tripping characteristic

Courtesy of Steven Engineering, Inc. - (800) 258-9200 - [sales@steveneng.com](mailto:sales@steveneng.com) - [www.stevenengineering.com](http://www.stevenengineering.com)