

## Timer relay - PLC-TR-1T-MUL-300M - 2910140

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Ultra-narrow multi-function time relay with 4 functions, adjustable time range (0.1 s - 300 min), 1 PDT, screw connection



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 055626 430492 |
| GTIN                                 | 4055626430492                                                                                           |
| Weight per Piece (excluding packing) | 50.900 g                                                                                                |
| Sales Key                            | CK4521                                                                                                  |

### Technical data

#### Dimensions

|        |        |
|--------|--------|
| Width  | 6.2 mm |
| Height | 80 mm  |
| Depth  | 86 mm  |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -25 °C ... 80 °C |
| Maximum altitude                        | ≤ 2000 m         |
| Permissible humidity (operation)        | 15 % ... 85 %    |
| Degree of protection                    | IP20             |
|                                         | IP20             |
| Noise immunity                          | EN 61000-6-2     |

#### Coil side

|                     |                                 |
|---------------------|---------------------------------|
| Input voltage range | 24 V DC (19.2 V DC ... 30 V DC) |
| Function            | E: With switch-on delay         |

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## Technical data

### Coil side

|                    |                                              |
|--------------------|----------------------------------------------|
|                    | Es: With switch-on delay and control contact |
|                    | Rs: With release delay and control contact   |
|                    | Bi: Flashing beginning with pulse            |
| Time setting range | 0.1 s ... 300 min. (4 time end ranges)       |
| Recovery time      | 50 ms                                        |

### Contact side

|                                       |                          |
|---------------------------------------|--------------------------|
| Contact type                          | 1 floating PDT           |
| Maximum switching voltage             | 250 V AC                 |
| Interrupting rating (ohmic load) max. | 1500 VA (6 A / 250 V AC) |
| Output fuse                           | 6.3 A (fast-blow)        |

### General

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Status display                   | Green LED (POWER)                                      |
|                                  | Yellow LED (relay active)                              |
| Mechanical service life          | approx. $2 \times 10^7$ cycles                         |
| Nominal power consumption        | 0.45 W (at 24 V DC)                                    |
| Mounting position                | any                                                    |
| Assembly instructions            | on standard DIN rail NS 35 in accordance with EN 60715 |
| Standards/regulations            | IEC 61812-1                                            |
|                                  | IEC 60947-5-1                                          |
| Color                            | traffic grey A RAL 7042                                |
| Housing insulation material      | Polyamide PA, self-extinguishing                       |
| Permissible humidity (operation) | 15 % ... 85 %                                          |
| Rated insulation voltage         | 300 V AC                                               |
| Conformance                      | CE-compliant                                           |
| UL, USA/Canada                   | UL/C-UL listed UL 508                                  |

### Connection data

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Connection method                | Screw connection                                  |
| Stripping length                 | 8 mm                                              |
| Conductor cross section solid    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>      |
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>      |
| Conductor cross section AWG      | 30 ... 12                                         |
| Torque                           | 0.6 Nm ... 0.8 Nm ( )                             |
|                                  | 5 lb <sub>f</sub> -in. ... 7 lb <sub>f</sub> -in. |

### Control contact

|                      |                               |
|----------------------|-------------------------------|
| Connection name      | Non-floating, terminals A1-B1 |
| Control pulse length | ≥ 50 ms                       |

### Standards and Regulations

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
|-------------------------------|-------------------------------------------|

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#### Standards and Regulations

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Noise emission                         | EN 61000-6-3                                      |
| Noise immunity                         | EN 61000-6-2                                      |
| Standards/regulations                  | IEC 61812-1                                       |
|                                        | IEC 60947-5-1                                     |
| Low Voltage Directive                  | Conformance with Low Voltage Directive 2014/35/EU |
| Flammability rating according to UL 94 | V0                                                |
| Conformance                            | CE-compliant                                      |
| UL, USA/Canada                         | UL/C-UL listed UL 508                             |

#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27371605 |
| eCl@ss 9.0 | 27371605 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC001439 |
| ETIM 6.0 | EC001439 |