# TMP

ON DELAY TIME RELAY, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 24...48VDC, 24...240VAC

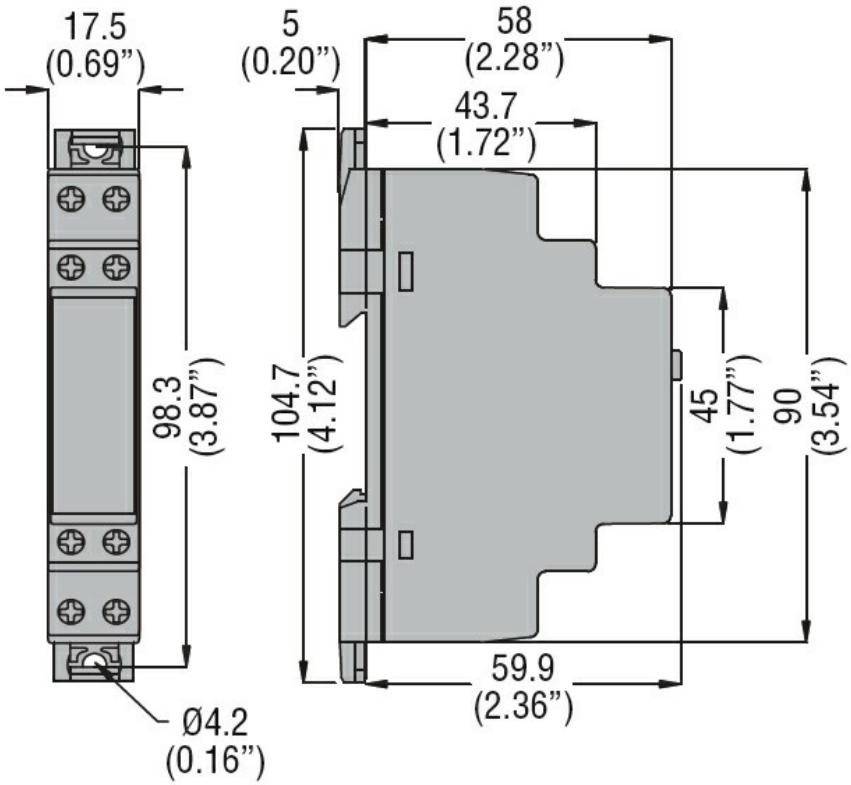


| | | | |
|---|---|---|---|
| Product designation | | | Time relay |
| Product type designation | | | TMP |
| Number of DIN modules | | | 1 |
| **General characteristics** | | | |
| Description | | | On delay time relay, multiscale and multivoltage |
| Function | | | On delay |
| **Supply circuit** | | | |
| Rated auxiliary supply voltage Us | | | 24…48VDC; 24…240VAC |
| Rated auxiliary supply voltage Us | | | |
| AC | | | |
| | min | VAC | 24 |
| | Max | VAC | 240 |
| DC | | | |
| | min | VDC | 24 |
| | Max | VDC | 48 |
| Rated frequency | | Hz | 50/60 |
| Operating voltage range | | | 0.85...1.1 Us |
| Maximum power consumption / dissipation | | W | 1.2VA/0.8W (24...48VAC/DC), 16VA/0.9W (110...240VAC) |
| Immunity time for microbreakings | | ms | ≤50 |
| **Timing circuit** | | | |
| Time setting range | | | 0.1s...10days |
| Setting accuracy | | % | <±9 |
| Repeat accuracy | | % | <±0.1 |
| Influence of voltage variation | | % | <±0.1 |
| Influence of temperature variation | | % | <±0.2 |
| Resetting time | | | |
| | During timing | ms | ≥100 |
| | Elapsed time | ms | ≥50 |
| **Relay outputs** | | | |
| Number of relays | | Nr. | 1 |
| Contact arrangement | | | 1 delayed changeover |
| Maximum switching voltage | | VAC | 250 |
| IEC Conventional free air thermal current Ith | | A | 8 |
| UL/CSA and IEC/EN 60947-5-1 designation | | | B300 |
| **Insulation (input-output)** | | | |
| Rated insulation voltage Ui | | V | 250 |
| Rated impulse withstand voltage Uimp | | kV | 4 |
| Power frequency withstand voltage | | kV | 2 |
| **Connections** | | | |

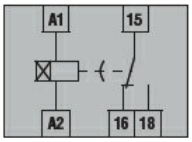

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| | | | | |
|---|---|---|---|---|
| Terminals type | | | | Screw |
| Tightening torque (Max) | | | | |
| | | Tightening torque Max | Nm | 0.8 |
| | | Tightening torque Max | lbin | 7 / 7...9 UL |
| Conductor section | | | | |
| | AWG/Kcmil | | | |
| | | min | | 24…12 |
| | | max | | 12…18 |
| | IEC | | | |
| | | min | mm² | 0.2 |
| | | max | mm² | 4 |
| **Operations** | | | | |
| Mechanical life | | | cycles | 30000000 |
| Electrical life (with rated load) | | | cycles | 100000 |
| **Ambient conditions** | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -20 |
| | | max | °C | +60 |
| | Storage temperature | | | |
| | | min | °C | -30 |
| | | max | °C | +80 |
| Relative humidity | | | % | <90% |
| Maximum Pollution degree | | | | 2 |
| Overvoltage category | | | | III |
| **Housing** | | | | |
| Execution (n° of modules) | | | | 1 |
| Material | | | | Self-extinguishing polyamide |
| Mounting | | | | DIN rail 35 mm |
| Degree of protection | | | | IP40 on front, IP20 terminals |
| Dimensions (W x H x D) | | | mm | 17.5 x 104.7 x 64.9 |
| Weight | | | g | 78 |
| **Dimensions** | | | | |


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## Wiring diagrams




## Certifications and compliance

Compliance

| |
|---|
| CSA C22.2 n°14 |
| IEC/EN 61812-1 |
| UL508 |

Certificates

| |
|---|
| CCC |
| cULus |
| EAC |

## ETIM classification

| | |
|---|---|
| ETIM 8.0 | EC001439 - Timer relay |


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