



| | | | |
|--|---------------------------------------|---|--------------|
| Product designation | Time relay | | |
| Product type designation | TMD | | |
| Number of DIN modules | 1 | | |
| General characteristics | | | |
| Description | True off delay time relay, multiscale | | |
| Function | True off delay | | |
| Supply circuit | | | |
| Rated auxiliary supply voltage U_s | 24...240VAC/DC | | |
| Rated auxiliary supply voltage U_s | | | |
| AC | min | VAC | 24 |
| | Max | VAC | 240 |
| DC | min | VDC | 24 |
| | Max | VDC | 240 |
| Rated frequency | | Hz | 50/60 |
| Operating voltage range | 0.85...1.1 U_s | | |
| Maximum power consumption / dissipation | W | 0.1VA/0.1W (24...48VAC/DC), 1.1VA/0.8W (110...240VAC/DC) | |
| Timing circuit | | | |
| Time setting range | 0.06...180s | | |
| Setting accuracy | % | < \pm 9 | |
| Repeat accuracy | % | < \pm 0.5 | |
| Influence of voltage variation | % | < \pm 0.1 | |
| Influence of temperature variation | % | < \pm 0.2 | |
| Minimum power time | ms | \geq 200 | |
| Relay outputs | | | |
| Number of relays | Nr. | 1 | |
| Contact arrangement | 1 delayed changeover | | |
| Maximum switching voltage | VAC | 250 | |
| IEC Conventional free air thermal current I_{th} | A | 5 | |
| UL/CSA and IEC/EN 60947-5-1 designation | B300 | | |
| Insulation (input-output) | | | |
| Rated insulation voltage U_i | V | 250 | |
| Rated impulse withstand voltage U_{imp} | kV | 4 | |
| Power frequency withstand voltage | kV | 2 | |
| Connections | | | |
| Terminals type | Screw | | |
| Tightening torque (Max) | | | |
| | Tightening torque Max | Nm | 0.8 |
| | Tightening torque Max | Ibin | 7 / 7...9 UL |

Conductor section

AWG/Kcmil

| | | |
|--|-----|---------|
| | min | 24...12 |
| | max | 12...18 |

IEC

| | | | |
|--|-----|-----------------|-----|
| | min | mm ² | 0.2 |
| | max | mm ² | 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 |
|----------|--|------------------------------|

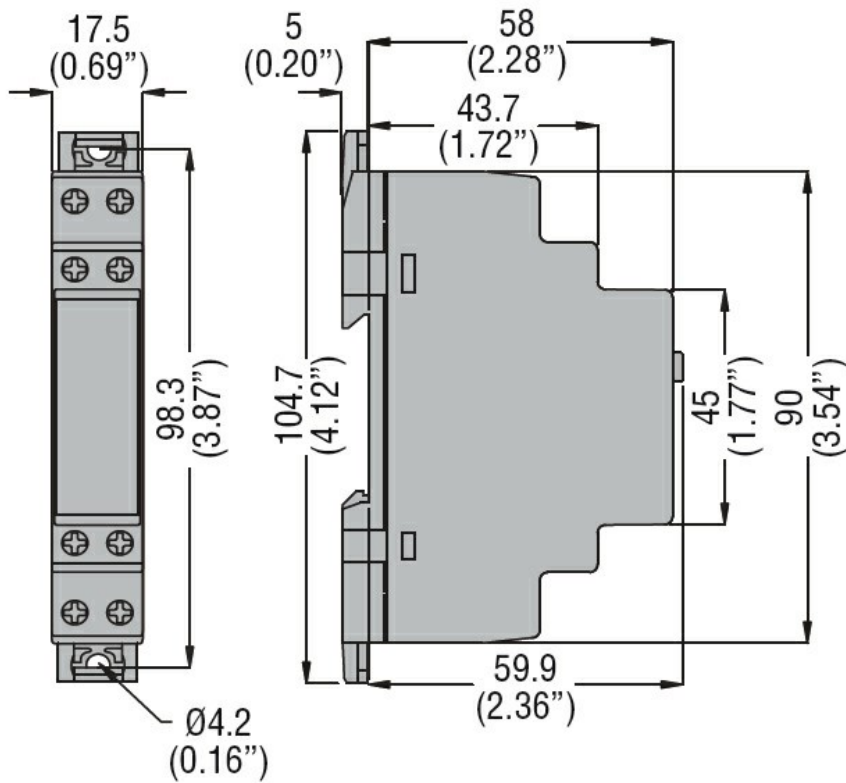
| | | |
|----------|--|----------------|
| Mounting | | DIN rail 35 mm |
|----------|--|----------------|

| | | |
|----------------------|--|----------------------------------|
| Degree of protection | | IP40 on front, IP20 terminals |
|----------------------|--|----------------------------------|

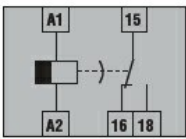
| | | |
|------------------------|----|------------------------|
| Dimensions (W x H x D) | mm | 17.5 x 104.7 x 64.9 |
|------------------------|----|------------------------|

| | | |
|--------|---|----|
| Weight | g | 80 |
|--------|---|----|

Dimensions [mm (in)]



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