



#### Auxiliary supply

|                         |    |                  |
|-------------------------|----|------------------|
| Supply voltage Type     |    | Multi voltage    |
| Rated voltage $U_s$     |    | 24...240VAC/DC   |
| Operating voltage range |    | 0.85...1.1 $U_s$ |
| Rated frequency         | Hz | 50/60            |
| Power consumption Max   | VA | 3                |
| Power dissipation Max   | W  | 1.2              |

#### Output characteristics

|                                  |            |                                                                           |
|----------------------------------|------------|---------------------------------------------------------------------------|
| Number of connectable electrodes | Nr.        | 3                                                                         |
| Type of electrode                |            | Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar |
| Electrode voltage                |            | 10 Vpp                                                                    |
| Sensitivity                      | k $\Omega$ | 2.5...150 adjustable                                                      |

#### Time delay

|                |   |          |
|----------------|---|----------|
| Tripping time  | s | $\leq 1$ |
| Resetting time | s | $\leq 1$ |

#### Relay outputs

|                                                                          |        |                                              |
|--------------------------------------------------------------------------|--------|----------------------------------------------|
| Number of relays                                                         | Nr.    | 1                                            |
| Relay state                                                              |        | Normally de-energised, energises at tripping |
| Contact arrangement                                                      |        | 1 changeover contact C/O-SPDT                |
| Rated operational voltage AC (IEC)                                       | VAC    | 250                                          |
| Maximum switching voltage                                                | VAC    | 400                                          |
| IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$ | A      | 8                                            |
| UL/CSA and IEC/EN 60947-5-1 designation                                  |        | B300                                         |
| Electrical life (with rated load)                                        | cycles | $10^5$                                       |
| Mechanical life                                                          | cycles | $30 \times 10^6$                             |

#### Indications

|            |  |                                                       |
|------------|--|-------------------------------------------------------|
| Indication |  | 1 green LED for power on<br>1 red LED for relay state |
|------------|--|-------------------------------------------------------|

#### Connections

|                                 |     |        |
|---------------------------------|-----|--------|
| Terminals type                  |     | Screw  |
| Tightening torque for terminals |     |        |
|                                 | max | Nm 0.8 |
|                                 | max | Ibin 7 |

#### Conductor cross section

AWG/Kcmil

|     |     |    |
|-----|-----|----|
| min | AWG | 24 |
| Max | AWG | 12 |

IEC

|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 0.2 |
| Max | mm <sup>2</sup> | 4   |

#### Insulations

|                             |   |     |
|-----------------------------|---|-----|
| Rated insulation voltage Ui | V | 240 |
|-----------------------------|---|-----|

|                                      |    |   |
|--------------------------------------|----|---|
| Rated impulse withstand voltage Uimp | kV | 4 |
|--------------------------------------|----|---|

|                                       |    |   |
|---------------------------------------|----|---|
| Operating frequency withstand voltage | kV | 2 |
|---------------------------------------|----|---|

|                                              |     |      |
|----------------------------------------------|-----|------|
| Double insulation Supply / relay / electrode | VAC | ≤250 |
|----------------------------------------------|-----|------|

#### Ambient conditions

##### Temperature

Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -20 |
| max | °C | +60 |

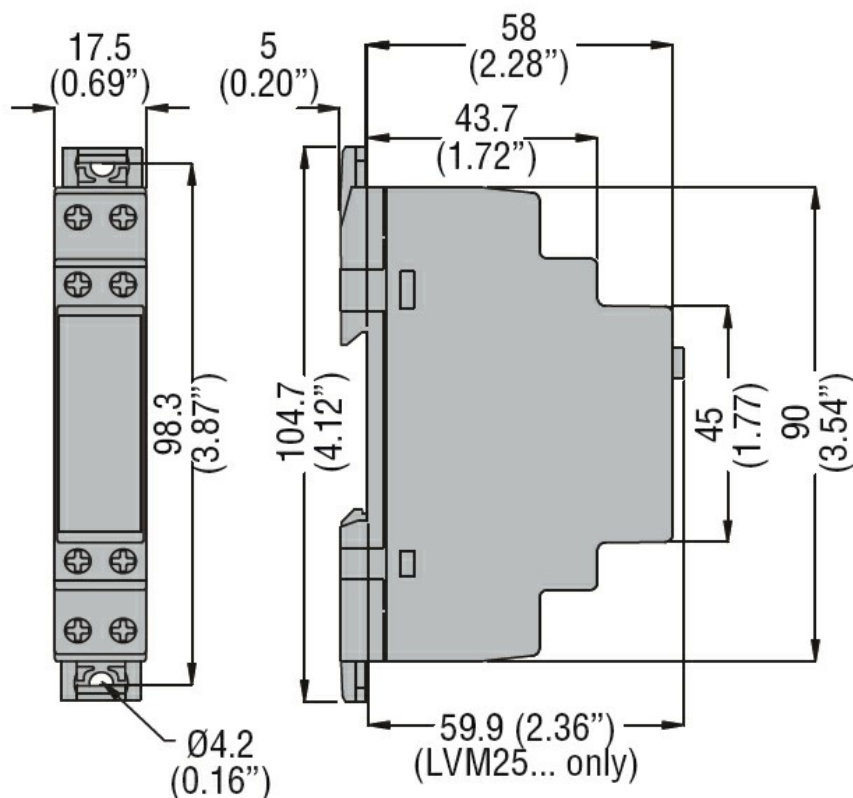
Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -30 |
| max | °C | +80 |

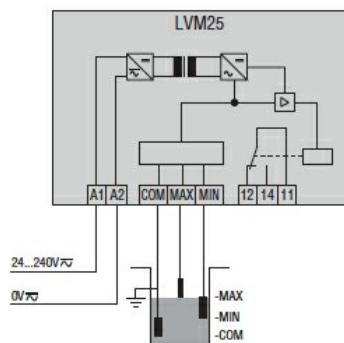
#### Housing

|                          |                                                                   |                     |
|--------------------------|-------------------------------------------------------------------|---------------------|
| Execution                | Modular DIN rail mounting                                         |                     |
| N° of modules            | 1                                                                 |                     |
| Material                 | Self-extinguishing polyamide                                      |                     |
| Mounting                 | 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips |                     |
| IEC degree of protection | IP40 on front / IP20 on terminals                                 |                     |
| Dimensions (W x H x D)   | mm                                                                | 17.5 x 104.7 x 64.9 |
| Weight                   | g                                                                 | 192                 |

#### Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 14

IEC/EN 60255-5

IEC/EN 61000-6-2

IEC/EN 61000-6-3

UL508

### Certificates

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## ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay