



Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Micro PLC - Base module

LRD12RA024

24VAC

Nr. 8 digital

Nr. 4 relay

12 (8 inputs + 4 outputs) up to 36 with LRE modules

#### Power supply

|                             |    |                |
|-----------------------------|----|----------------|
| Rated auxil. supply voltage |    | 24VAC          |
| Operating voltage range     |    | 20.4...28.8VAC |
| Rated frequency             | Hz | 50/60          |
| Operating frequency range   | Hz | 47...63        |
| Average current consumption | mA | 290            |
| Power consumption Max       | W  | 7              |

#### Digital inputs

|                         |                               |                 |
|-------------------------|-------------------------------|-----------------|
| Number of digital input | Nr.                           | 8               |
| Rated voltage           | V                             | 24VAC (50/60Hz) |
| Input signals           | State 0 (OFF)<br>State 1 (ON) | <6VAC<br>>14VAC |

Response time

|                 |      |
|-----------------|------|
| 0 to 1 (OFF-ON) | 90ms |
| 1 to 0 (ON-OFF) | 90ms |

#### Digital outputs

|                          |     |       |
|--------------------------|-----|-------|
| Number of digital output | Nr. | 4     |
| type                     |     | Relay |

#### System resources

|         |                                      |
|---------|--------------------------------------|
| Display | LCD display, 4 lines x 16 characters |
|---------|--------------------------------------|

#### Connections

|                                 |                            |
|---------------------------------|----------------------------|
| Terminals type                  | Screw                      |
| Tightening torque for terminals | max Nm 0.6<br>Max lbft 0.4 |

Conductor section

AWG/Kcmil

|     |    |
|-----|----|
| min | 26 |
| max | 14 |

IEC

|     |                      |
|-----|----------------------|
| min | mm <sup>2</sup> 0.14 |
| max | mm <sup>2</sup> 2.5  |

#### Ambient conditions

## Temperature

### Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -20 |
| max | °C | +55 |

### Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

## Relative humidity

|   |                               |
|---|-------------------------------|
| % | 20...90% without condensation |
|---|-------------------------------|

## Housing

## Mounting

35mm DIN rail or screw fixing (M4x20mm)

## Degree of protection

IP20

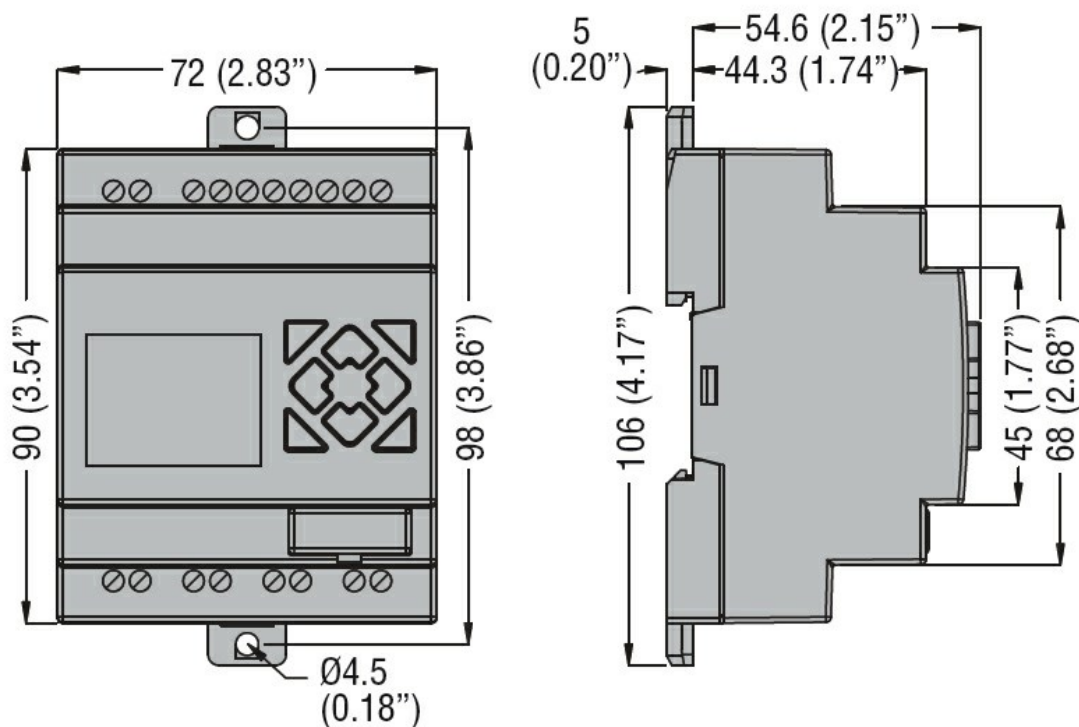
## Dimensions (W x H x D)

mm 72 x 106 x 59.6

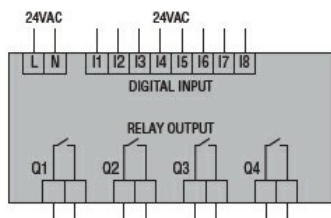
## Weight

g 250

## Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 142

IEC/EN 61131-2

UL508

### Certificates

cULus

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EAC

ETIM classification

ETIM 8.0

EC001417 -  
Logic module