



Product designation	Micro PLC - Base module		
Product type designation	LRD20RA024		
Auxiliary supply voltage	24VAC		
Number of inputs	Nr.	12 digital	
Number of outputs	Nr.	8 relay	
Max I/O number		20 (12 inputs + 8 outputs) up to 44 with LRE modules	

<b>Power supply</b>			
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	

<b>Digital inputs</b>			
Number of digital input	Nr.	12	
Rated voltage	V	24VAC (50/60Hz)	
Input signals		State 0 (OFF)	<6VAC
		State 1 (ON)	>14VAC

Response time		0 to 1 (OFF-ON)	90ms
		1 to 0 (ON-OFF)	90ms

<b>Digital outputs</b>			
Number of digital output	Nr.	8	
type		Relay	

<b>System resources</b>			
Display		LCD display, 4 lines x 16 characters	

<b>Connections</b>			
Terminals type		Screw	

Tightening torque for terminals		max	Nm	0.6
		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

<b>Ambient conditions</b>				
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## Temperature

### Operating temperature

min	°C	-20
max	°C	+55

### Storage temperature

min	°C	-40
max	°C	+70

## Relative humidity

%	20...90% without condensation
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## Housing

## Mounting

35mm DIN rail or screw fixing (M4x20mm)

## Degree of protection

IP20

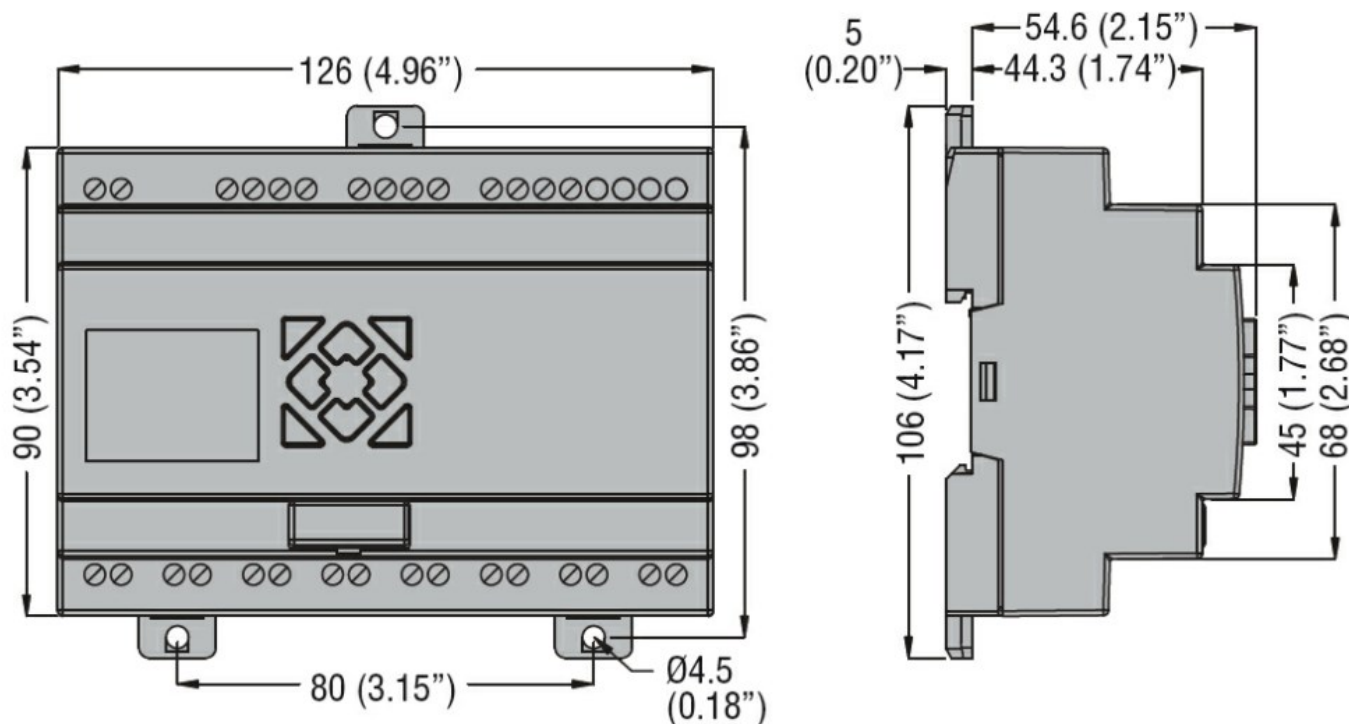
## Dimensions (W x H x D)

mm 126 x 106 x 59.6

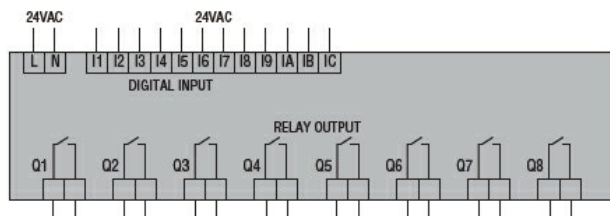
## Weight

g 368

## Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 142

IEC/EN 61131-2

UL508

### Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001417 -  
Logic module