



Product designation	Micro PLC - Base module		
Product type designation	LRD20RA240		
Auxiliary supply voltage	100...240VAC		
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	

Power supply			
Rated auxil. supply voltage			100...240VAC
Operating voltage range			85...265VAC
Operating frequency range	Hz		47...63
Average current consumption	mA		100
Power consumption Max	W		7.5

Digital inputs			
Number of digital input	Nr.		12
Rated voltage	V		100-240VAC (50/60Hz)
Input signals		State 0 (OFF) State 1 (ON)	<40VAC >79VAC

Response time			50/45ms
	0 to 1 (OFF-ON)		(Ue=120VAC); 22/18ms (Ue=240VAC)
	1 to 0 (ON-OFF)		50/45ms (Ue=120VAC); 90/85ms (Ue=240VAC)

Digital outputs			
Number of digital output	Nr.		8
type			Relay

System resources			
Display			LCD display, 4 lines x 16 characters

Connections			
Terminals type			Screw
Tightening torque for terminals		max Max	Nm lbft
			0.6 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

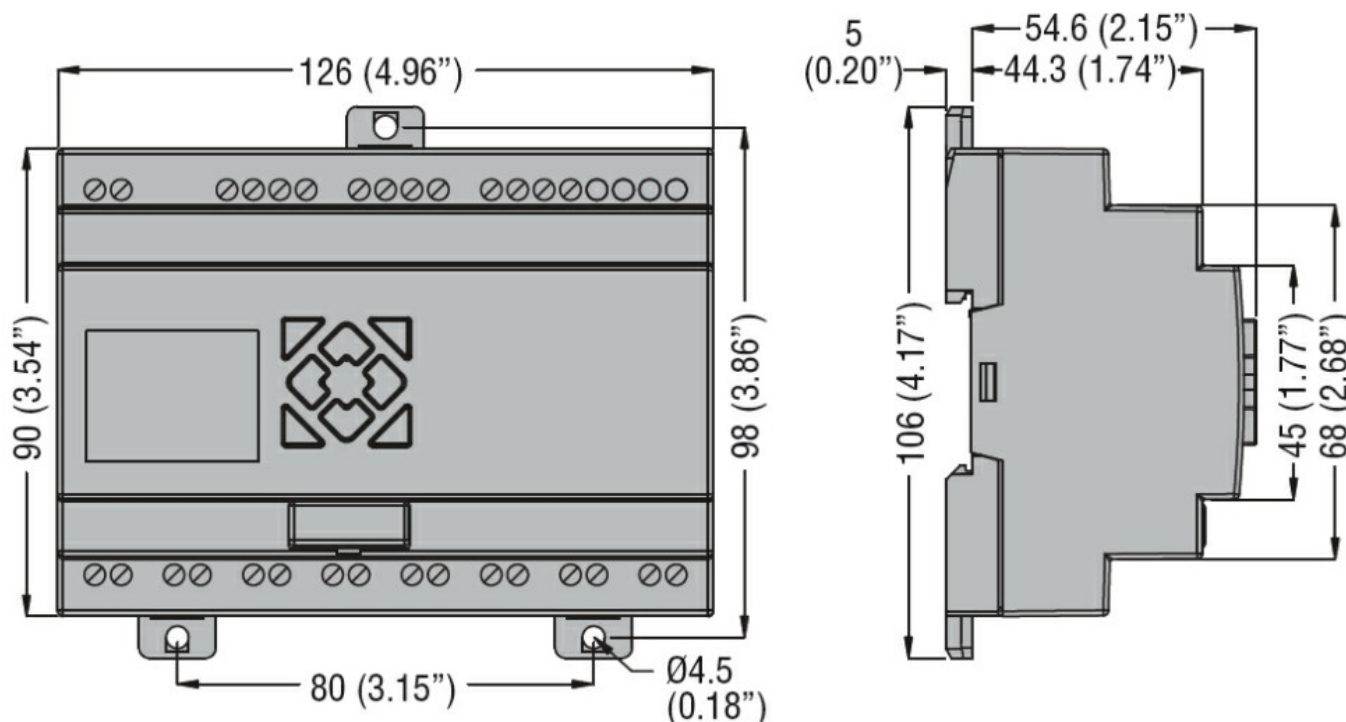
### Dimensions (W x H x D)

mm 126 x 106 x 59.6

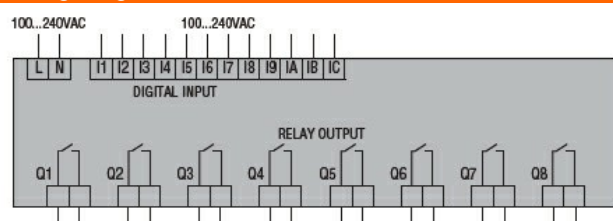
### Weight

g 367

## 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