



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	0 to 1 (OFF-ON)	50/45ms (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 type	Nr.	8 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
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	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

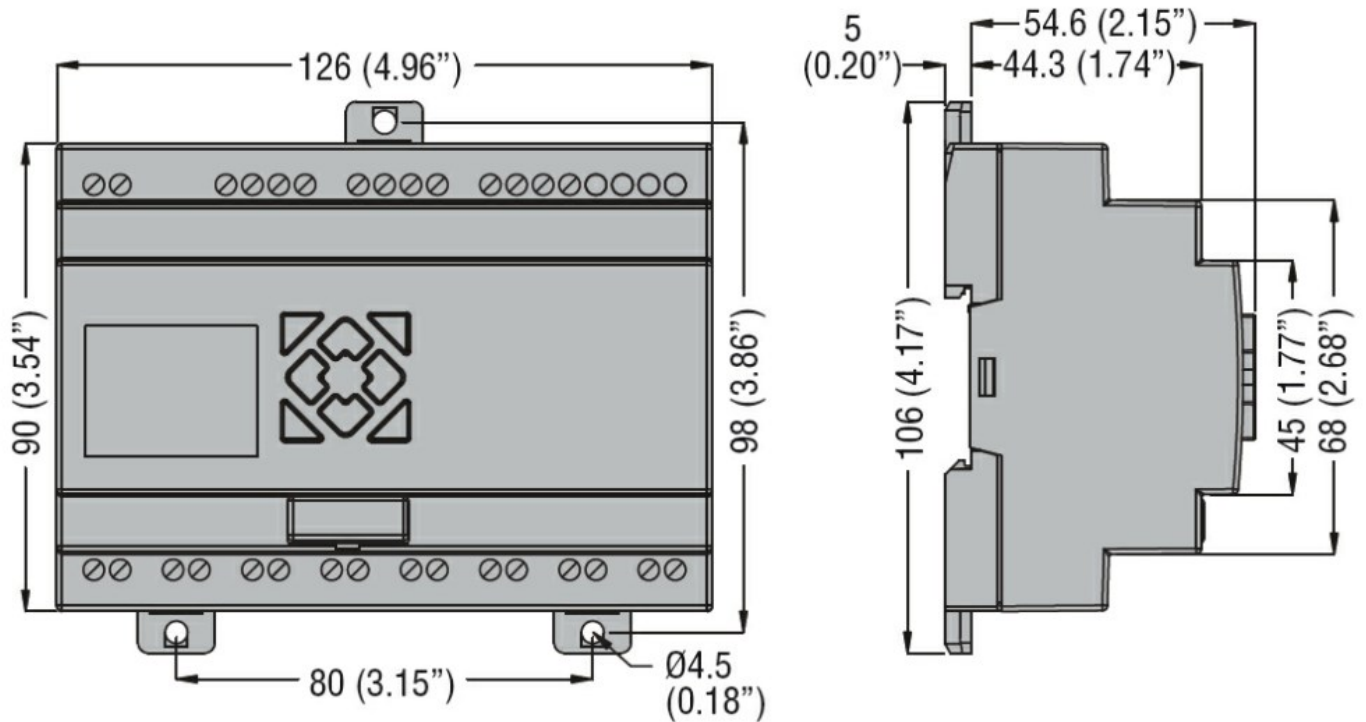
Dimensions (W x H x D)

mm 126 x 106 x 59.6

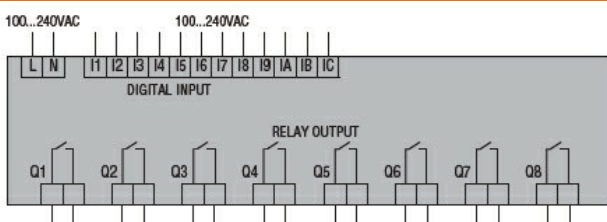
Weight

g 367

**Dimensions [mm (in)]**



**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