



Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Micro PLC - Base
module

LRD20RA240

100...240VAC

Nr. 12 digital

Nr. 8 relay

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	Nr.	8
type		Relay

System resources

Display

LCD display, 4
lines x 16
characters

Connections

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 ² 0.14
	max	mm ² 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
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Housing

Mounting

35mm DIN rail or
screw fixing
(M4x20mm)

Degree of protection

IP20

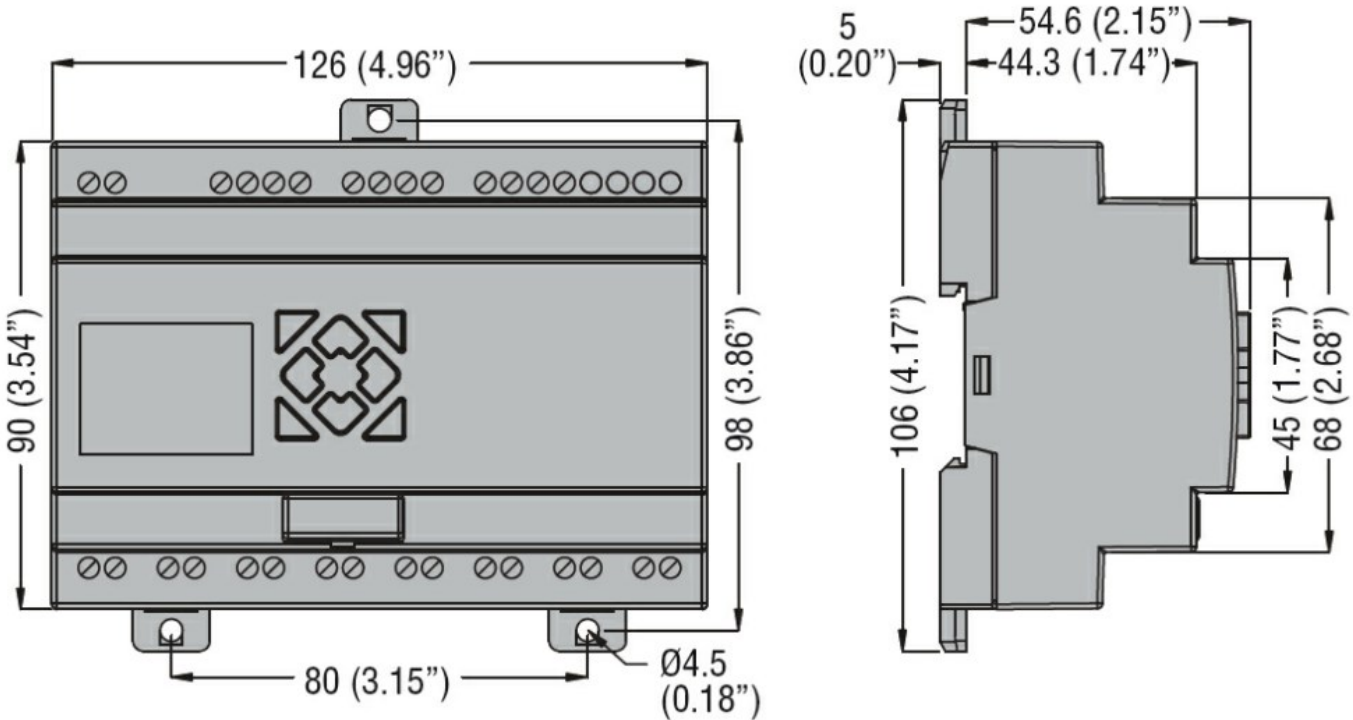
Dimensions (W x H x D)

mm 126 x 106 x 59.6

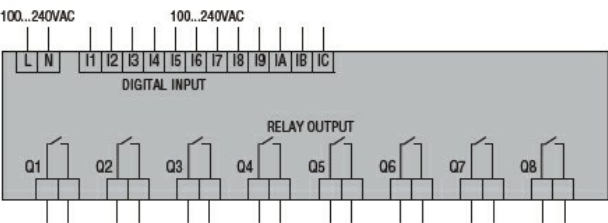
Weight

g 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