



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)		<40VAC
	State 1 (ON)		>79VAC

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

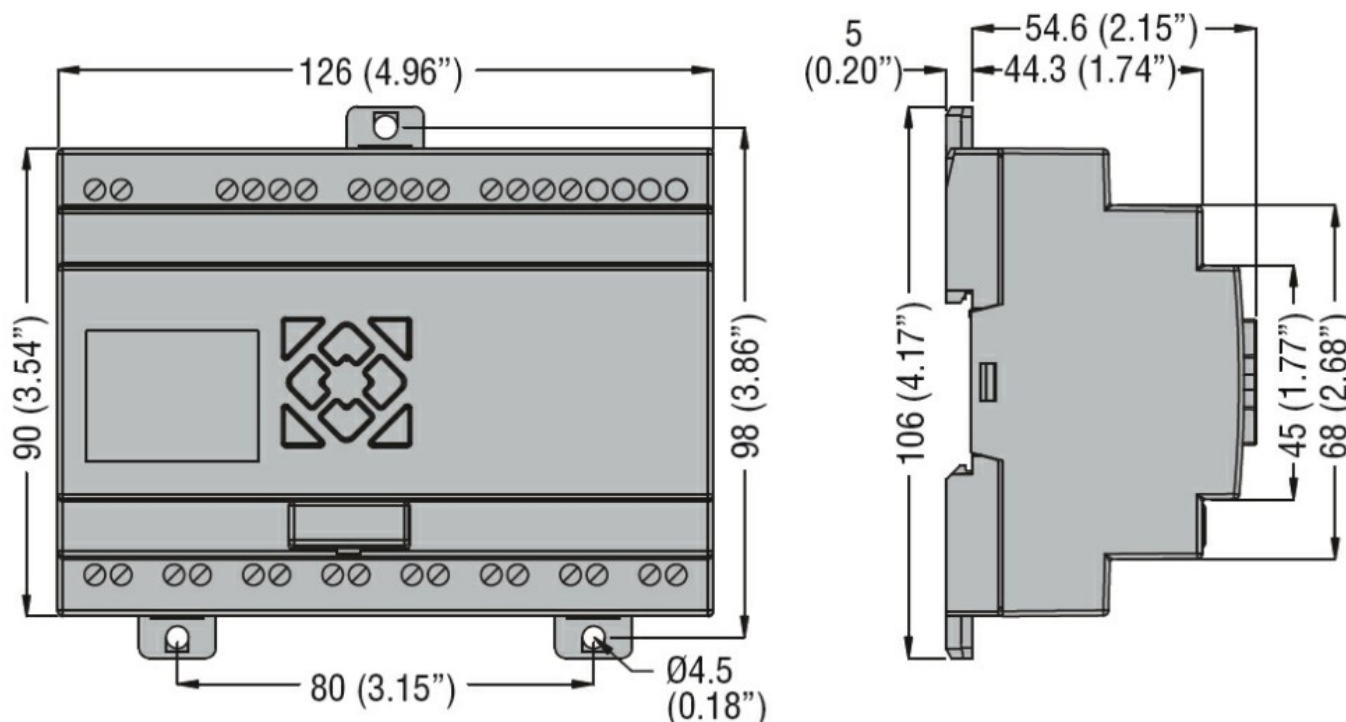
Dimensions (W x H x D)

mm 126 x 106 x 59.6

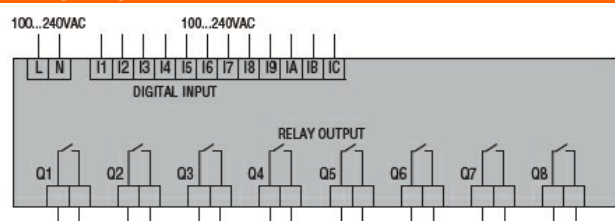
Weight

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