



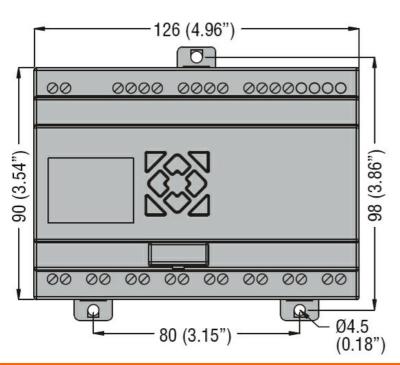
Product type designation Auxiliary supply voltage Number of inputs Number of outputs Max I/O number	Nr. Nr.	Micro PLC - Base module LRD20RD012 12VDC 8 digital + 4 digital/analog 8 relay 20 (12 inputs + 8 outputs) up to 44 with LRE modules
Power supply		
Rated auxil. supply voltage		12VDC
Operating voltage range		10.414.4VDC
Avarage current consumption	mA	265
Power consumption Max	W	5
Digital inputs		
Number of digital input	Nr.	8 + 4
		digital/analog
Rated voltage	V	12VDC
Input signals		0.51/00
State 0 (OFF)		<2.5VDC >7.5VDC
State 1 (ON)		>1.5000
Response time 0 to 1 (OFF-ON) 1 to 0 (ON-OFF)		4ms (0.5ms for high speed) 4ms (0.3ms for high speed)
Analog inputs		riigir speeu)
Number of analog input	Nr.	4 digital/analog
Analog input type		Voltage inputs
Inputs signal range	V	010
Resolution		0.01V
Bit of conversion	bit	8
Current consumption at		
10VDC	mA	<0.17mA
Input impedance	kΩ	>40
Admissible overload	VDC	14
Sampling time	ms	520ms(LADDER) 210ms (FBD)
Maximum cable lenght	m / ft	≤30m/98ft (shielded wire)
Digital outputs		
Number of digital output	Nr.	8
type		Relay
System resources		

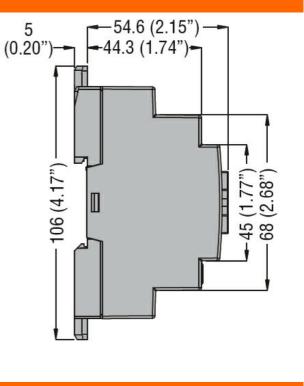


Display

LCD display, 4 lines x 16

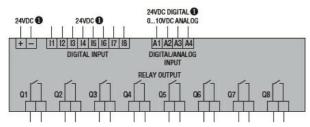
Display				characters
Connections				criaractoro
Terminals type				Screw
Tightening torque for	terminals			
		max	Nm	0.6
		Max	lbft	0.4
Conductor section				
	AWG/Kcmil			
		min		26
		max		14
	IEC			
		min	mm²	0.14
Aughieus agus ditions		max	mm²	2.5
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-20
		max	°C	+55
	Storage temperature	IIIax		+33
	Glorage temperature	min	°C	-40
		max	°C	+70
				2090% without
Relative humidity			%	condensation
Housing				
				35mm DIN rail or
Mounting				screw fixing
				(M4x20mm)
Degree of protection	_,			IP20
Dimensions (W x H x	D)		mm	126 x 106 x 59.6
Weight			g	360
Dimensions				







ENERGY AND AUTOMATION



12VDC for LRD20R D012.

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