LRD20RD012

MICRO PLCS, BASE MODULE, AUXILIARY SUPPLY VOLTAGE 12VDC, 12/8 RELAY

Product designation			Micro PLC - Base module
Product type designation			LRD20RD012
Auxiliary supply voltage			12VDC
Number of inputs		Nr.	8 digital + 4 digital/analog
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			12VDC
Operating voltage range			10.4…14.4VDC
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			
	State 0 (OFF)		<2.5VDC
	State 1 (ON)		>7.5VDC
Response time			
	0 to 1 (OFF-ON)		4ms (0.5ms for high speed)
	1 to 0 (ON-OFF)		4ms (0.3ms for high speed)
Analog inputs			
Number of analog input		Nr.	4 digital/analog
Analog input type			Voltage inputs
Inputs signal range		V	0...10
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	5...20ms(LADDER) 2...10ms (FBD)
Maximum cable lenght		m / ft	≤30m/98ft (shielded wire)
Digital outputs			
Number of digital output		Nr.	8
type			Relay
System resources			

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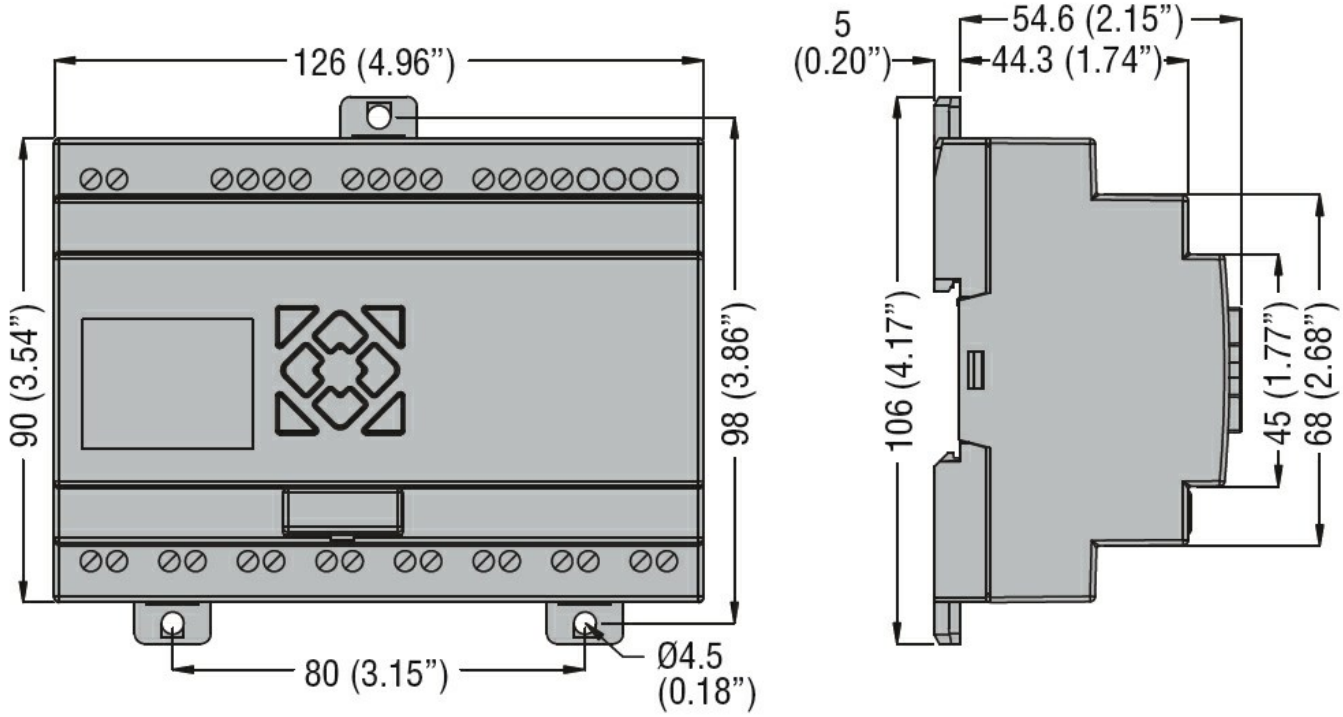
Display				LCD display, 4 lines x 16 characters
Connections				
Terminals type				Screw
Tightening torque for terminals				
		max	Nm	0.6
		Max	lbft	0.4
Conductor section				
	AWG/Kcmil			
		min		26
		max		14
	IEC			
		min	mm²	0.14
		max	mm²	2.5
Ambient conditions				
Temperature				
	Operating temperature			
		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	360

Dimensions [mm (in)]



Wiring diagrams

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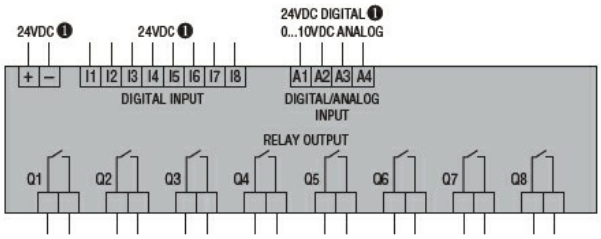

❶ 12VDC for LRD20R D012.

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