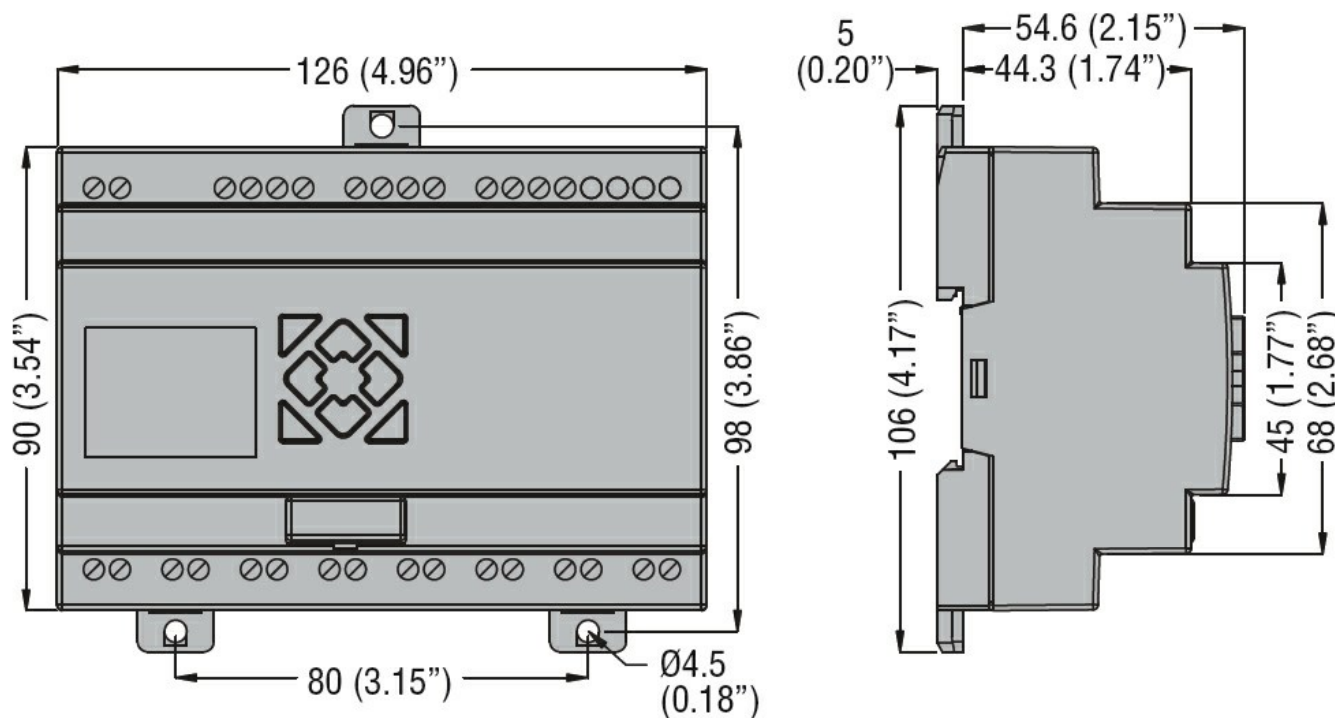


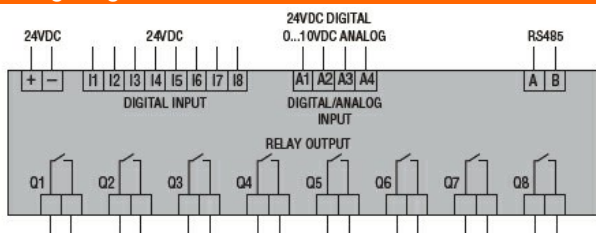


Product designation			Micro PLC - Base module with RS485 onboard
Product type designation			LRD20RD024P1
Auxiliary supply voltage			24VDC
Number of inputs	Nr.	8 digital + 4 digital/analog	
Number of outputs	Nr.	8 relay	
Max I/O number			20 (12 inputs + 8 outputs) up to 44 with LRE modules
Power supply			
Rated auxil. supply voltage			24VDC
Operating voltage range			20.4...28.8VDC
Avarage current consumption	mA	185	
Power consumption Max	W	5	
Digital inputs			
Number of digital input	Nr.	8 + 4 digital/analog	
Rated voltage	V	24VDC	
Input signals		State 0 (OFF) State 1 (ON)	<5VDC >15VDC
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			
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	28
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			

Display				LCD display, 4 lines x 16 characters
Communications				
Type of communication port				RS485
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				



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