MICRO PLC, BASE MODULE WITHOUT DISPLAY, AUXILIARY SUPPLY VOLTAGE 12/24VDC, 8/4 RELAY, BUILT-IN ETHERNET PORT

Product designation		Micro PLC - Base module with built-in Ethernet port, without display
Product type designation		LRK12RD024B
Auxiliary supply voltage		12/24VDC
Number of inputs	Nr.	6 digital + 2 digital/analog
Number of outputs	Nr.	4 relay
Max I/O number		12 (8 inputs + 4 outputs) up to 36 with LRE modules

Power supply

Rated auxil. supply voltage		12/24VDC
Operating voltage range		10.0...28.8VDC
Avarage current consumption	mA	300

Digital inputs

Number of digital input		Nr.	6 + 2 digital/analog
Rated voltage		V	12/24VDC
Input signals			
	State 0 (OFF)		<5VDC
	State 1 (ON)		>10VDC
Response time			
	0 to 1 (OFF-ON)		5ms (0.5ms for high speed)
	1 to 0 (ON-OFF)		3ms (0.3ms for high speed)

Analog inputs

Number of analog input		Nr.	2 digital/analog
Analog input type			Voltage inputs
Inputs signal range		V	0...10
Resolution			0.01V
Bit of conversion		bit	12
Current consumption at			
	10VDC	mA	<0.17mA
Input impedance		kΩ	>40
Admissible overload		VDC	28
Maximum cable lenght		m / ft	≤30m/98ft (shielded wire)

Digital outputs

Number of digital output	Nr.	4
type		Relay

System resources

Display		No

Real Time Clock				Yes
Communications				
Type of communication port				Ethernet
Connections				
Terminals type				Screw
Tightening torque for terminals				
		max	Nm	0.8
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	50
	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	72 x 106 x 59.6
Weight			g	240
Dimensions				

LRK12RD024B   The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding
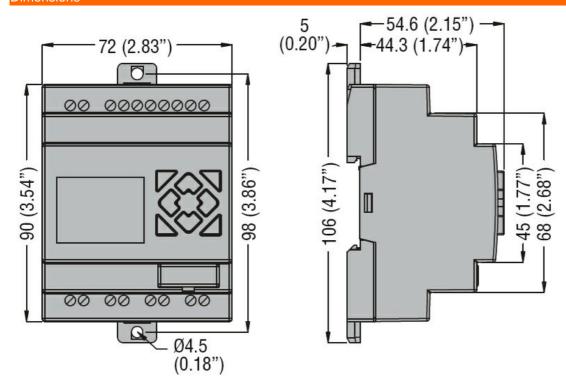
2 / 3

MICRO PLC, BASE MODULE WITHOUT DISPLAY, AUXILIARY SUPPLY VOLTAGE 12/24VDC, 8/4 RELAY, BUILT-IN ETHERNET PORT
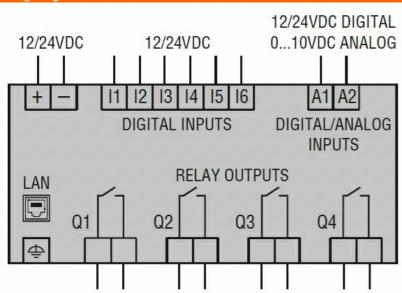
Wiring diagrams

Certifications and compliance

Compliance

CSA C22.2 No. 61010-1
CSA C22.2 No. 61010-2-201:18
IEC/EN/BS 61131-2
UL 61010-1
UL 61010-2-201

Certificates

cULus

ETIM classification

ETIM 8.0	EC001417 - Logic module