



Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Micro PLC - Base
module with built-
in Ethernet and
RS485 ports
LRK20RD024RS
12/24VDC
8 digital + 4
digital/analog
8 relay
20 (12 inputs + 8
outputs) up to 44
with LRE
modules

Power supply

Rated auxil. supply voltage	12/24VDC
Operating voltage range	10.0...28.8VDC
Average current consumption	mA 400

Digital inputs

Number of digital input	Nr.	8 + 4 digital/analog
Rated voltage	V	12/24VDC
Input signals	State 0 (OFF) State 1 (ON)	<5VDC >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

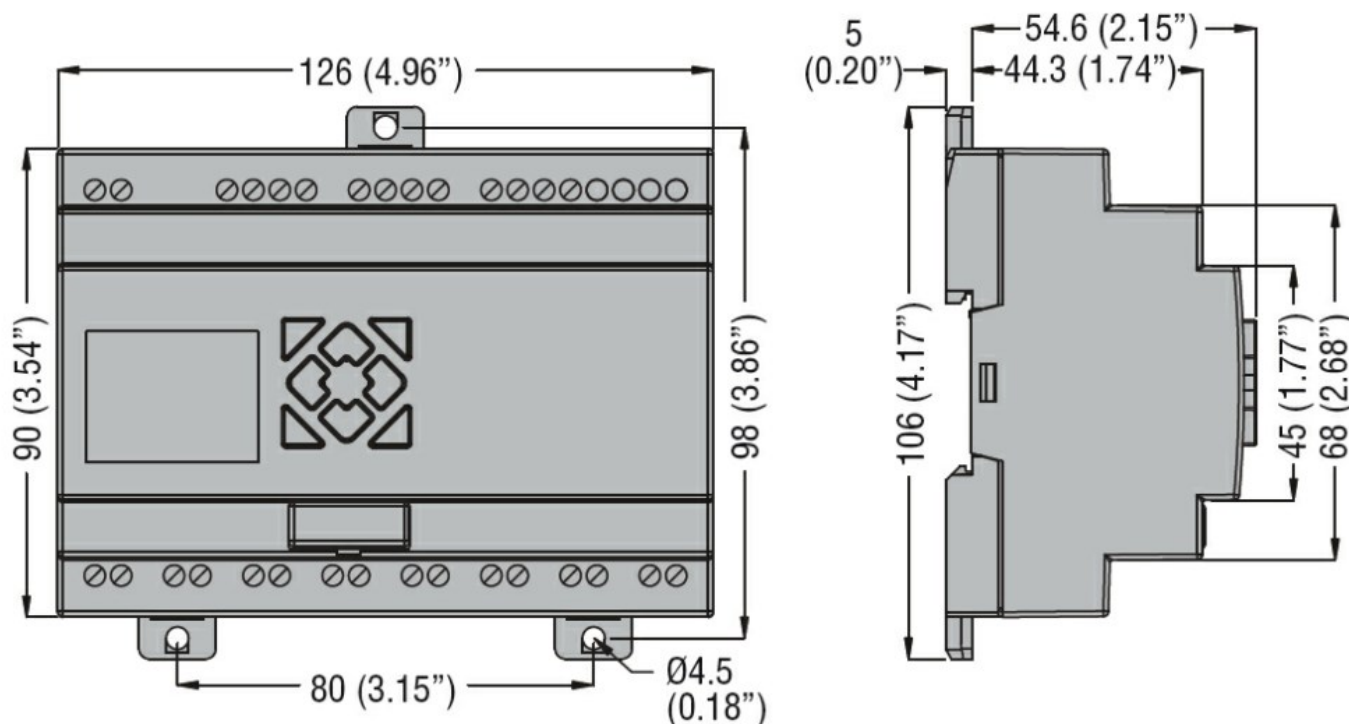
Number of analog input	Nr.	4 digital/analog
Analog input type		Voltage inputs
Inputs signal range	V	0...10
Resolution		0.01V
Bit of conversion	bit	12
Current consumption at	10VDC	mA <0.17mA
Input impedance	kΩ	>40
Admissible overload	VDC	28
Maximum cable length	m / ft	≤30m/98ft (shielded wire)

Digital outputs

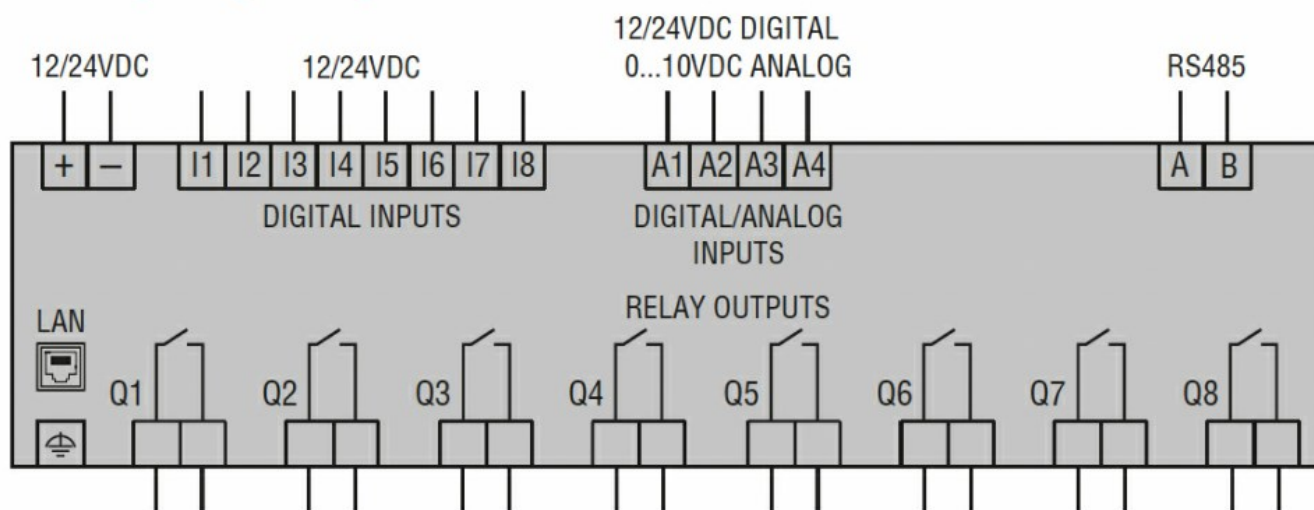
Number of digital output	Nr.	8
type		Relay

System resources

Display				LCD display, 4 lines x 16 characters		
Real Time Clock				Yes		
Communications						
Type of communication port				Ethernet + RS485		
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	126 x 106 x 59.6	
Weight				g	340	
Dimensions						



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