



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
Nr. 8 digital + 4
digital/analog
Nr. 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

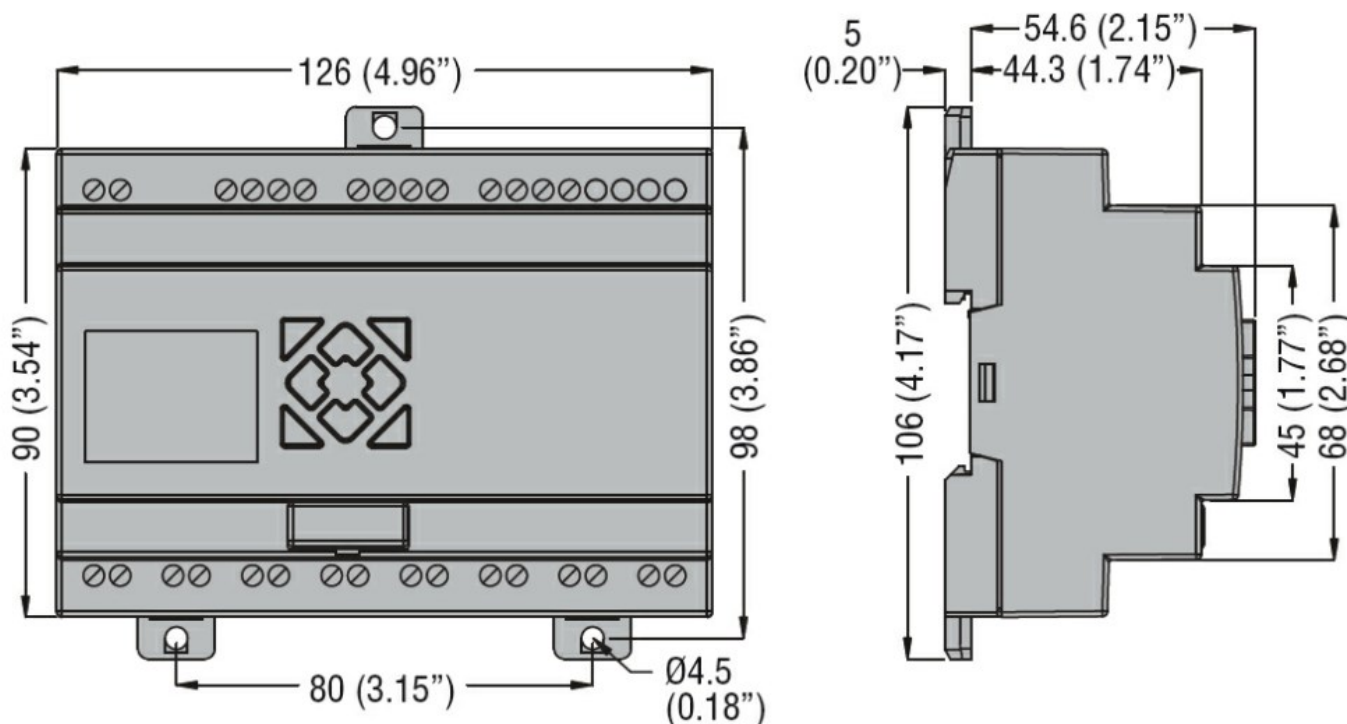
Maximum cable length m / ft ≤30m/98ft
(shielded wire)

Digital outputs

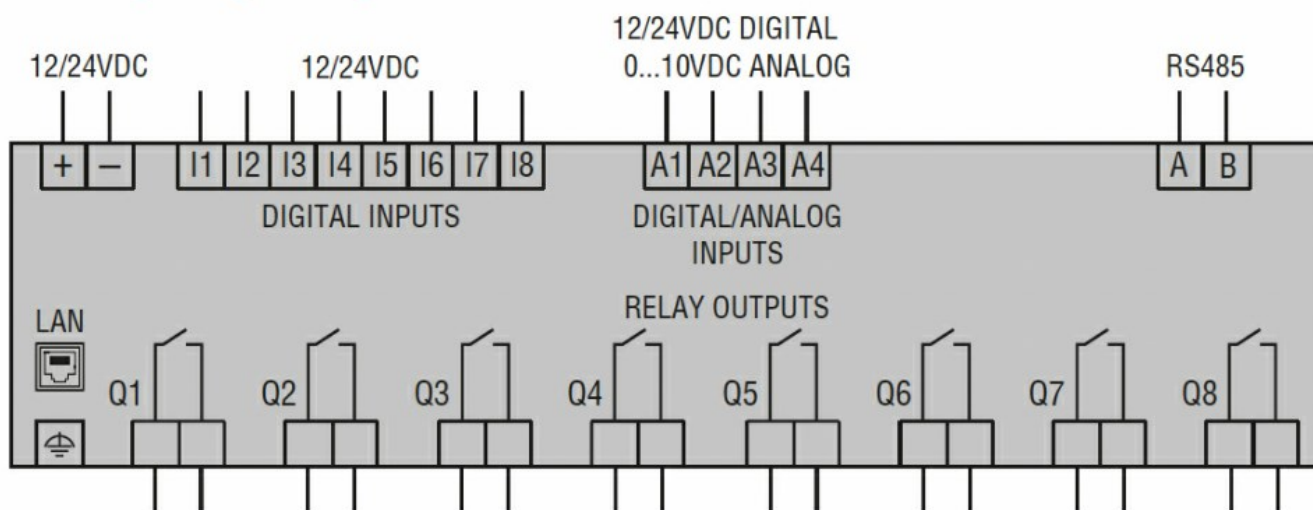
Number of digital output	Nr.	8
type		Relay

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