



Micro PLC - Base module with built-in Ethernet port, without display  
LRK12RD024B  
12/24VDC  
6 digital + 2 digital/analog  
4 relay  
12 (8 inputs + 4 outputs) up to 36 with LRE modules

Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Nr.

Nr.

#### Power supply

Rated auxil. supply voltage	12/24VDC
Operating voltage range	10.0...28.8VDC
Average 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) 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.	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
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Input impedance	kΩ	>40
Admissible overload	VDC	28
Maximum cable length	m / ft	≤30m/98ft (shielded wire)

#### Digital outputs

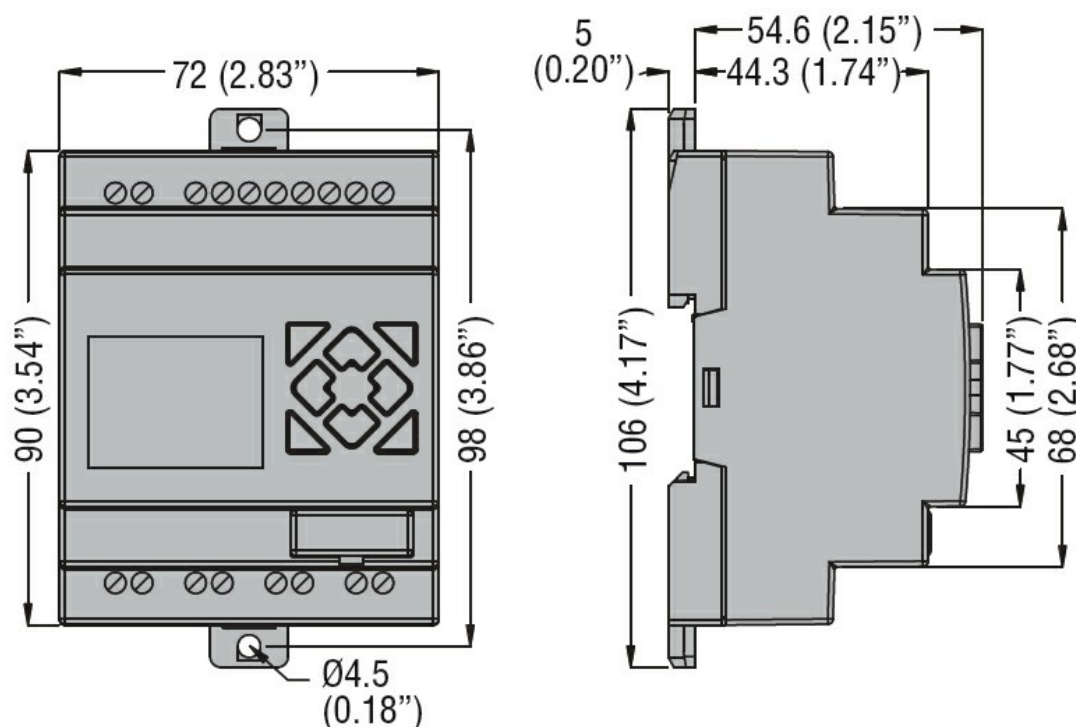
Number of digital output	Nr.	4
type		Relay

#### System resources

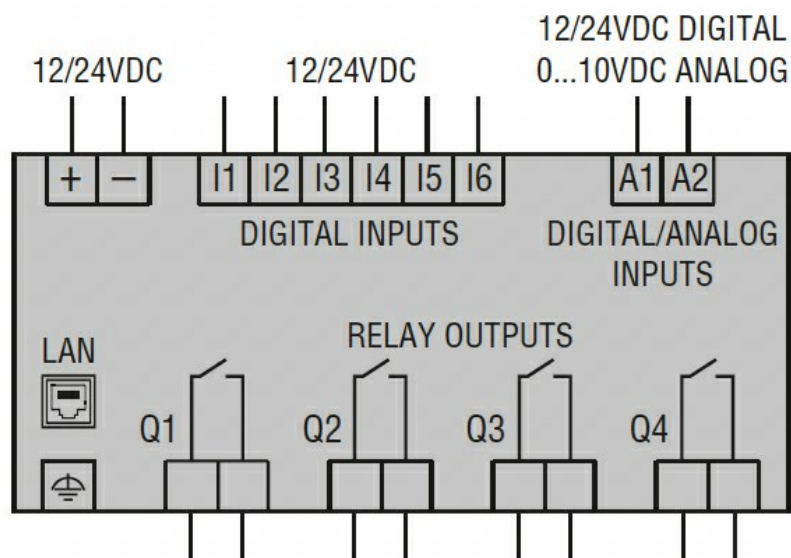
Display	No
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Real Time Clock				Yes
Communications				
Type of communication port				Ethernet
Connections				
Terminals type				Screw
Tightening torque for terminals				
max				Nm 0.8
Conductor section				
AWG/Kcmil				
min				26
max				14
IEC				
min				mm <sup>2</sup> 0.14
max				mm <sup>2</sup> 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**



## 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