



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 port  
LRK12RD024  
12/24VDC  
Nr. 6 digital + 2  
digital/analog  
Nr. 4 relay  
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
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

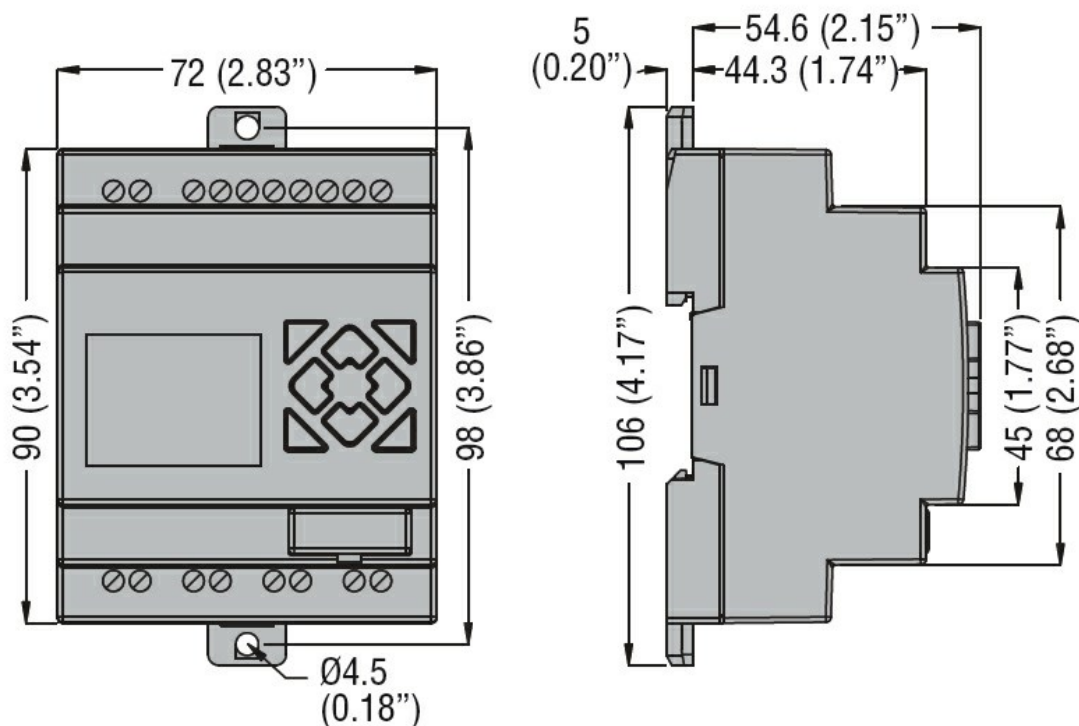
Number of analog input	Nr.	2 digital/analog
Analog input type		Voltage inputs
Inputs signal range	V	0...10
Resolution		0.01V
Bit of conversion	bit	12
Current consumption at	10VDC	mA <0.17mA
Input impedance	kΩ	>40
Admissible overload	VDC	28
Maximum cable lenght	m / ft	≤30m/98ft (shielded wire)

#### Digital outputs

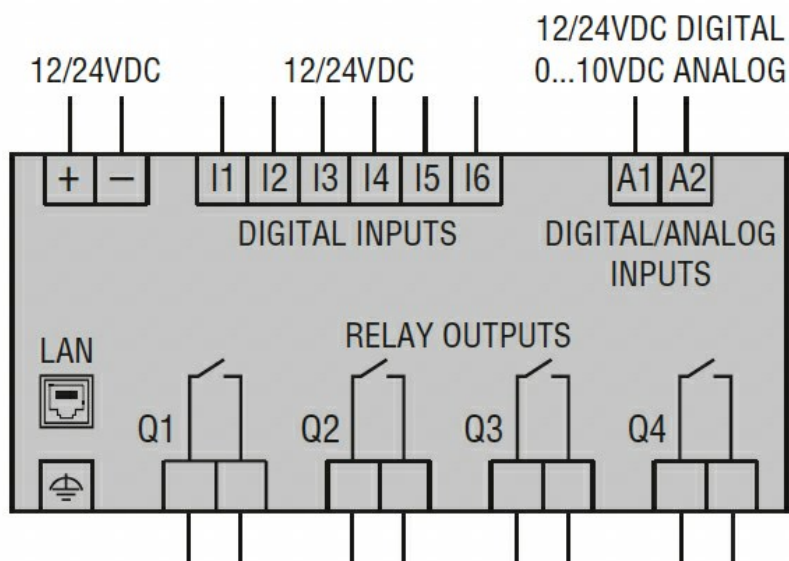
Number of digital output	Nr.	4
type		Relay

#### System resources

Display			LCD display, 4 lines x 16 characters		
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					



## 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