



Product designation	Micro PLC - Base module
Product type designation	LRD12RA024
Auxiliary supply voltage	24VAC
Number of inputs	Nr. 8 digital
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		24VAC
Operating voltage range		20.4...28.8VAC
Rated frequency	Hz	50/60
Operating frequency range	Hz	47...63
Average current consumption	mA	290
Power consumption Max	W	7

Digital inputs		
Number of digital input	Nr.	8
Rated voltage	V	24VAC (50/60Hz)
Input signals	State 0 (OFF) State 1 (ON)	<6VAC >14VAC
Response time	0 to 1 (OFF-ON) 1 to 0 (ON-OFF)	90ms 90ms

Digital outputs		
Number of digital output	Nr.	4
type		Relay

System resources		
Display		LCD display, 4 lines x 16 characters

Connections		
Terminals type		Screw

Tightening torque for terminals		max	Nm	0.6
		Max	lbft	0.4
Conductor section				
AWG/Kcmil		min		26
		max		14
IEC				
		min	mm ²	0.14
		max	mm ²	2.5

Ambient conditions		
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Temperature

Operating temperature

min	°C	-20
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Relative humidity

%	20...90% without condensation
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Housing

Mounting

35mm DIN rail or screw fixing (M4x20mm)

Degree of protection

IP20

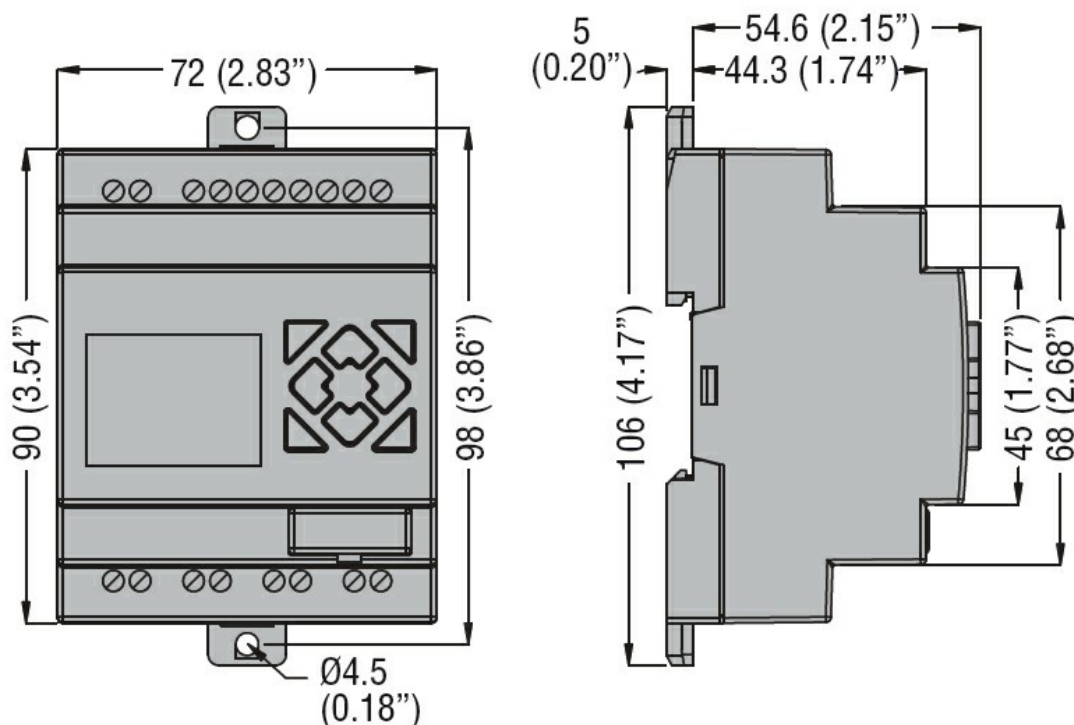
Dimensions (W x H x D)

mm 72 x 106 x 59.6

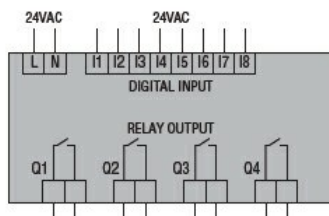
Weight

g 250

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 142

IEC/EN 61131-2

UL508

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001417 -
Logic module