



### Power supply

Rated auxil. supply voltage	24VDC		
Operating voltage range	20.4...28.8VDC		
Average current consumption	mA	185	
Power consumption Max	W	5	

### Digital inputs

Number of digital input	Nr.	8 + 4 digital/analog	
Rated voltage	V	24VDC	
Input signals	State 0 (OFF)	<5VDC	
	State 1 (ON)	>15VDC	
Response time	0 to 1 (OFF-ON)	4ms (0.5ms for high speed)	
	1 to 0 (ON-OFF)	4ms (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	8	
Current consumption at	10VDC	mA	<0.17mA
Input impedance		kΩ	>40
Admissible overload		VDC	28
Sampling time		ms	5...20ms(LADDER), 2...10ms (FBD)
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		
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### 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<sup>2</sup> 0.14  
max mm<sup>2</sup> 2.5

**Ambient conditions**

Temperature

Operating temperature

min °C -20  
max °C +55

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

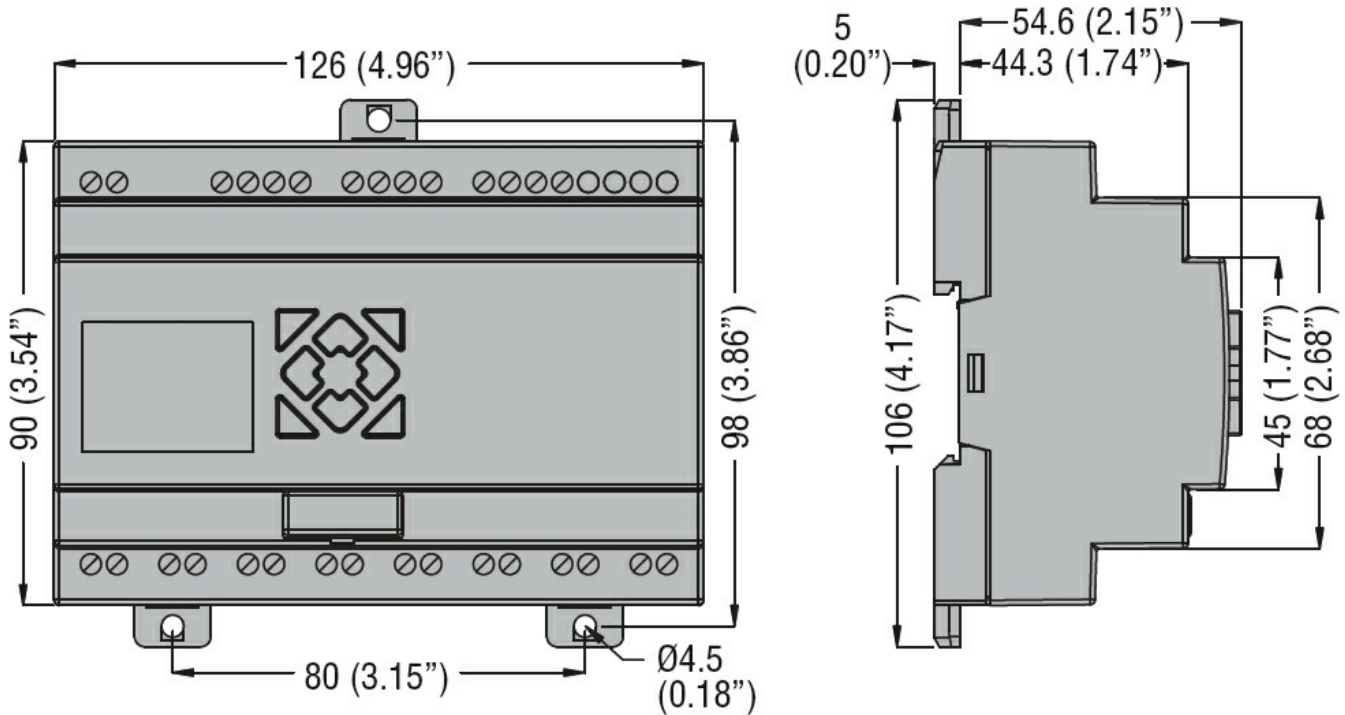
Dimensions (W x H x D)

mm 126 x 106 x 59.6

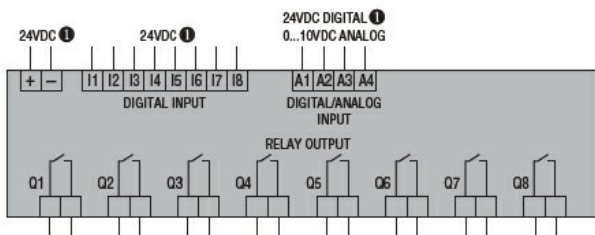
Weight

g 360

**Dimensions**



**Wiring diagrams**



① 12VDC for LRD20R D012.

**Certifications and compliance**

Compliance

CSA C22.2 n° 142

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IEC/EN 61131-2

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UL508

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Certificates

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cULus

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EAC

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ETIM classification

ETIM 8.0

EC001417 -  
Logic module