



Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Training kit with  
LRD12RD024  
mounted on  
input/output  
simulation board  
LRDDEM12RD024  
24VDC  
Nr. 6 digital + 2  
digital/analog  
Nr. 4 relay  
12 (8 inputs + 4  
outputs) up to 36  
with LRE  
modules

#### Power supply

Operating voltage range		20.4...28.8VDC
Average current consumption	mA	125
Power consumption Max	W	4.5

#### Digital inputs

Number of digital input	Nr.	6 + 2 digital/analog
Rated voltage	V	24VDC
Input signals	State 0 (OFF) State 1 (ON)	<5VDC >15VDC
Response time	0 to 1 (OFF-ON) 1 to 0 (ON-OFF)	4ms (0.5ms for high speed) 4ms (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	10
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 type	Nr.	4 Relay
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**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
Weight	g 920

**Certifications and compliance**

Compliance	CSA C22.2 n° 142 IEC/EN 61131-2 UL508
Certificates	cULus EAC

**ETIM classification**

ETIM 8.0	EC002581 - PLC device set
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