Product designation		Training kit with LRD20RD024 mounted on input/output simulation board
Product type designation		LRDDEM20RD024
Auxiliary supply voltage		24VDC
Number of inputs	Nr.	8 digital + 4 digital/analog
Number of outputs	Nr.	8 relay
Max I/O number		20 (12 inputs + 8 outputs) up to 44 with LRE modules

Power supply		
Operating voltage range		20.4...28.8VDC
Avarage 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 lenght	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

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	mm²		0.14
	max	mm²		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	1060

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