

**Specifications**

Electrical Ratings		UL/Nema	IEC
<b>Power Circuit</b>	Rated Operation Voltage	200V...480Y/277V	200...500V
	Rate Insulation Voltage	600V	600 V
	Rated Impulsed Voltage	6 kV	6 kV
	Dielectric Withstand	2200V AC	2500V AC
	Operating Frequency	50/60 Hz	50/60 Hz
	Utilization Category	N/A	AC-3
	Protection Against Shock	N/A	IP2X
<b>Short Circuit Protection</b>	SCPD Performance	Max. Short Circuit Current	10 A Rated Device
		480Y/277V (kA)	65 kA
	SCPD List	Size per NEC Group Motor	25 A Rated Device
<b>Control Circuit</b>	Rated Operation Voltage	24V DC A2 (should be grounded at voltage source)	
		120V AC A2 (should be grounded at voltage source)	
		240V AC A2 (should be grounded at voltage source)	
	Rate Insulation Voltage	250V	250V
	Rated Impulsed Voltage	—	4 kV
	Dielectric Withstand	1500V AC	2000V AC
	Overvoltage Category	—	III
	Operating Frequency	50/60 Hz	

**Power Requirements**

	Units	No Options			Brake or Output Contactor			w/ Brake and Output Contactor		
		24 VDC	120 VAC	240 VAC	24 VDC	120 VAC	240 VAC	24 VDC	120 VAC	240 VAC
Control Voltage	Volts	24 VDC	120 VAC	240 VAC	24 VDC	120 VAC	240 VAC	24 VDC	120 VAC	240 VAC
Power supply (Nom)	Amps	0.425	0.225	0.113	0.425	0.225	0.113	0.425	0.225	0.113
Total Control VA (Pick Up)	VA (W)	10 (W)	27	27	(12.7 W)	49	49	(15.2 W)	71	71
Total Control VA (Hold In)	VA (W)	10 (W)	27	27	(12.7 W)	28	28	(15.2 W)	30	30

**External Devices powered by Control Voltage**

	Units	2	2	2	2	2	2	2	2	2
Outputs (2) (1A max. each)	Amps	2	2	2	2	2	2	2	2	2
Total Control VA (Pick Up) with max outputs	VA (W)	(58 W)	267	507	(60.7 W)	289	551	(60.7 W)	311	551
Total Control VA (Hold In) with max outputs	VA (W)	(58 W)	267	507	(60.7 W)	289	510	(60.7 W)	270	510

<b>Input Ratings</b>	Rated Operation Voltage	24V DC		
	Input On-State Voltage Range	10...26V DC		
	Input On-state Current	3.0 mA @ 10V DC		
		7.2 mA @ 24V DC		
	Input Off-state Voltage Range	0...5V DC		
	Input Off-state Current	<1.5 mA		
	<b>Input Filter — Software Selectable</b>			
	Off to On	Settable from 0...64 ms in 1 ms increments		
	On to Off	Settable from 0...64 ms in 1 ms increments		
	Input Compatibility	N/A	IEC 1+	
	Number of inputs	4		
	<b>Sensor Source</b>			
	Voltage Status Only	11...25V DC from DeviceNet		
	Voltage with HOA	24V DC ±15% from Control Voltage		
Current Available	50 mA MAX per Input, 200 mA Total			
<b>Output Ratings</b> (Sourced from Control Circuit)	Rated Operation Voltage	240V AC / 30V DC	240V AC / 30V DC	
	Rate Insulation Voltage	250V	250V	
	Dielectric Withstand	1500V AC	2000V AC	
	Operating Frequency	50/60 Hz	50/60 Hz	
	Type of control circuit	Electromechanical Relay		
	Type of Current	AC/DC		
	Conventional Thermal Current Ith	Total of both outputs ≤ 2 A		
	Type of Contacts	Normally Open (N.O.)		
Number of Contacts	2			

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 Specifications, Continued

<b>Environmental</b>	Operating Temperature Range	0...40 °C (32...104 °F)		
	Storage and Transportation temperature range	-25...85 °C (-13...185 °F)		
	Altitude	1000 m		
	Humidity	5...95% (non-condensing)		
	Pollution Degree	3		
	<b>Mechanical Resistance to Shock</b>			
	Operational	15 G		
	Non-Operational	30 G		
	<b>Resistance to Vibration</b>			
	Operational	1 G, 0.15mm (0.006 in.) displacement		
	Non-Operational	2.5 G, 0.38mm (0.015 in.) displacement		
	Control Power Terminal Cable Size	#22 AWG...#10 AWG	0.5 mm <sup>2</sup> ...6 mm <sup>2</sup>	
	Tightening Torque	5.6...6.8 lb-in	0.7 N·m	
	Line Power Terminal cable size	#22 AWG...#10 AWG	0.5 mm <sup>2</sup> ...6 mm <sup>2</sup>	
	Tightening Torque	5.6...6.8 lb-in	0.7 N·m	
	Ground Terminal cable size	#22 AWG...#10 AWG	0.5 mm <sup>2</sup> ...6 mm <sup>2</sup>	
	Tightening Torque	5.6...6.8 lb-in	0.7 N·m	
	Enclosure Ratings	NEMA 4/12	IP67	
	Approximate Shipping Weight	13.6 kg (30 lbs.)		
	<b>EMC Emission levels</b>			
	Conducted Radio Frequency Emissions	Class A		
Radiated Emissions	Class A			
<b>EMC immunity levels</b>				
Electrostatic Discharge	4 kV contact and 8 kV Air			
Radio Frequency Electromagnetic Field	10 V/m			
Fast Transient	2 kV			
Surge Transient	1 kV (12) L-L, 2 kV (2) L-N (Earth)			
<b>Overload Characteristics</b>				
Trip Class	10			
Overload Protection	I <sup>2</sup> t overload protection - 150% for 60 sec., 200% for 30 sec.			
Number of poles	3			
<b>DeviceNet Specifications</b>				
DeviceNet Supply Voltage Rating	Range 11...25V DC, 24V DC Nominal			
DeviceNet Input Current	167mA @ 24V DC			
	364 mA @ 11V DC			
External Devices powered by DeviceNet	Sensors Inputs 4 * 50mA - total 200mA			
Total w/max Sensor Inputs (4)	367mA @ 24V DC			
	564mA @ 11V DC			
DeviceNet Input Current Surge	15 A for 250 μs			
<b>DeviceNet Communications</b>				
Baud Rates	125, 250, 500 kbps			
Distance Maximum	500 m (1630 ft) @ 125 kbps			
	200 m (656 ft) @ 250 kbps			
	100 m (328 ft) @ 500 kbps			
Approvals	cULus (File No. 3125) UL 508E EN/IEC 60947-4-1 CE Marked per Low Voltage Directive 73/23/EEC and EMC Directive 89/336/EEC			
<b>Other Rating</b>				