



 **Allen-Bradley**
by ROCKWELL AUTOMATION

Catalog #: 1762-0W16 

MicroLogix 16 Point Relay Output Module

Lifecycle status: Active Mature

Technical Specifications

Electrical

Number of digital outputs	16
Time delay at signal exchange	10 ms
Suitable for safety functions	No
Digital inputs configurable	No
Digital outputs configurable	No
Type of output voltage	AC/DC
Type of digital output	Relay
Type of electric connection	Screw connection
Heat dissipation, max	6.1 W
Continuous current per common, max	8 A
Continuous current per module, max	16 A
Continuous current per point, max	2.5 A
Bus current draw, max	180 mA @ 24V DC (4.32 W)
Signal delay, resistive load, max	On Delay: 10 ms Off Delay: 10 ms
Power supply distance rating	6 (The module may not be more than 6 modules away from the power supply.)
Isolated groups	Group 1: Outputs 0...7, Group 2: Outputs 8...15
Output group to backplane isolation	Verified by one of the following dielectric tests: 1836V AC for 1s or 2596V DC for 1s, 265V AC working voltage (IEC

		Class 2 reinforced insulation)
Output group to output group isolation		Verified by one of the following dielectric tests: 1836V AC for 1s or 2596V DC for 1s, 265V AC working voltage (basic insulation), 150V AC working voltage (IEC Class 2 reinforced insulation)
Redundancy		No
Short-circuit protection, outputs available		No
Mechanical		
Width		40.4 mm
Height		90 mm
Depth		87 mm
Weight		285 g
Shock		Operating: 30G panel mounted, 3 pulses per axis Relay Operation: 7G
Vibration		Operating: 10...500 Hz, 5G, 0.030 in. max. peak-to-peak, 2 hours per axis Relay Operation: 1.5G
Relay Outputs		
Relay output, break volt-ampere		28VA @ 24V DC
Relay output, continuous		2.5 A @ 240V AC
Relay output, break		1.5 A @ 120V AC
Relay output, make		7.5 A @ 240V AC
Relay output, make volt-ampere		28VA @ 24V DC
Input Specifications		
Voltage category		AC/DC normally open relay
On-state current, min		10 mA
Operating voltage		5...265V AC
Output Specifications		
Off-state leakage current, max		0 mA
Environmental		
ESD immunity		IEC1000-4-2: 4kV contact, 8kV air, 4kV indirect
Conducted RF immunity		IEC 1000-4-6: 10V, 0.15...80 MHz
EFT/B immunity		IEC1000-4-4: 2kV, 5 kHz

Hazardous environment class	Hazardous Location, Class I, Division 2 Groups A, B, C, D (UL 1604, C-UL under CSA C22.2 No. 213)
Operating temperature	-20 to 65 °C
Surge transient immunity	IEC1000-4-5: 2 kV common mode, 1kV differential mode
Radiated RF immunity	IEC1000-4-3: 10 V/m, 80...1,000 MHz, 80% amplitude modulation, +900 MHz keyed carrier
Altitude	2000 m
Storage temperature	-40 °C
Radiated and conducted emissions	EN50081-2: Class A
Operating humidity	5...95% noncondensing

Documentation

For all available documentation, please see the [literature results](#).



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