



Catalog #: 1762-OW16 [Best Selling](#)

## 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 1 s or 2596V DC for 1 s, 265V AC working voltage (IEC

## Mechanical

	Class 2 reinforced insulation)
Output group to output group isolation	Verified by one of the following dielectric tests: 1836V AC for 1 s or 2596V DC for 1 s, 265V AC working voltage (basic insulation), 150V AC working voltage (IEC Class 2 reinforced insulation)
Redundancy	No
Short-circuit protection, outputs available	No
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
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## 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, 1 kV 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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