



Catalog #: 1762-OB32T

MicroLogix 32 Point D/O Module

Lifecycle status: Active Mature

Technical Specifications

Electrical

Number of digital outputs	32
Suitable for safety functions	No
Digital inputs configurable	No
Digital outputs configurable	No
Type of output voltage	DC
Type of digital output	Relay
Type of electric connection	Screw connection
Heat dissipation, max	3.4 W @ 26.4 DC
Continuous current per common, max	2.0 A @ 60 °C (140 °F)
Continuous current per module, max	4.0 A @ 60 °C (140 °F)
Continuous current per point, max	0.5 A @ 60 °C (140 °F)
Bus current draw, max	175 mA @ 5V DC
Signal delay, resistive load	On delay: 0.5 ms Off delay: 4.0 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...15, Group 2: Outputs 16...31 (internally, connected to common)
Surge current, max	2.0 A (Repeatability is once every 2 s at 60 °C (140 °F) for 10 ms.)

Output group to backplane isolation	Verified by one of the following dielectric tests: 1200V AC for 2 s or 1697V DC for 2 s, 75V DC working voltage (IEC Class 2 reinforced insulation)
Output group to output group isolation	Verified by one of the following dielectric tests: 1200V AC for 2 s or 1697V DC for 2 s, 75V DC 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	200 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

Output Specifications

On-state voltage drop, max	0.5 A @ 0.3V DC
Off-state leakage current, max	0.1 mA @ 26.4V DC

Input Specifications

Voltage category	24V DC source
On-state current, min	1 mA
Operating voltage	10.2...26.4V DC

Environmental

ESD immunity	EN 61000-4-2, 4 kV contact, 8 kV air, 4 kV indirect
Conducted RF immunity	IEC61000-4-6: 10V, 0.15...80 MHz
EFT/B immunity	IEC61000-4-4: 2 kV, 5 kHz on signal ports
Hazardous environment class	Hazardous Location, Class I, Division 2 Groups A, B, C, D (UL 1604, C-UL under CSA C22.2 No. 213, ANSI/ISA-12.12.01)
Operating temperature	-20 to 65 °C
Surge transient immunity	IEC61000-4-5: 2 kV common mode, 1 kV differential mode
Radiated RF immunity	IEC61000-4-3: 10V/m, 80...2700 MHz, 80% amplitude modulation

Altitude	2000 m
Storage temperature, min	-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](#).

Certifications

- UL Listed Hazardous

This product was certified with the above certifications as of 2024-06-26. Products sold before or after this date might carry different certifications. Please review the product label to check for the certifications your specific product carries.



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