

Specifications

POINT I/O 120/220V AC Output Module – 1734-OA2, 1734-OA4, Series C

Attribute	Value
Outputs per module	1734-OA2 – 2 nonisolated, sourcing 1734-OA4 – 4 nonisolated, sourcing
On-state voltage range, min	74V AC
On-state voltage range, nom	120/220V AC
On-state voltage range, max	264V AC
On-state voltage drop, max	1.0V @ 0.75 A
On-state current, min	10 mA per channel
On-state current, max	750 mA per channel For 1734-OA4 , 750 mA per output, 2.0 A max per module
Off-state leakage, max	2.7 mA @ 264V AC
Output current rating	1734-OA2 – 1.5 A (2 channels @ 0.75 A each) 1734-OA4 – 2.0 A (750 mA per output, 2.0 A max per module)
Product temperature versus current derating	1734-OA2 1.5 A max per module @ 50 °C (122 °F) Derate linearly 13% to 1.3 A max per module @ 55 °C (131 °F) 1734-OA4 2.0 A max per module @ 45°C (113 °F) Derate linearly 30% to 1.4 A max per module @ 55 °C (131 °F)
Surge current	16 A for 100 ms, repeatable every 10 s
Delay time, max ⁽¹⁾ Off to On On to Off	1/2 cycle 1/2 cycle

(1) Off-on delay is time from a valid output on signal to output energization. On-off delay is time from a valid output off signal to output deenergization.

General Specifications

Attribute	Value
Terminal base screw torque	0.8 Nm (7 lb-in.)
Module location	1734-TB, 1734-TBS, 1734-TOP, or 1734-TOPS wiring base assembly
POINTBus current, max	75 mA @ 5V DC
Power dissipation, max	1734-OA2 – 2 W @ 264V AC 1734-OA4 – 3.5 W @ 264V AC

General Specifications

Attribute	Value
Thermal dissipation, max	1734-0A2 – 6.8 BTU @ @ 264V AC 1734-0A4 – 11.9 BTU @ @ 264V AC
Isolation voltage	240V (continuous), Reinforced Insulation Type tested @ 3250V DC for 60 s, field-side to system
External AC power supply voltage, nom	120/220V DC @ 60 Hz
External AC power supply voltage range	85...264V DC @ 27...63 Hz
Dimensions, approx., HxWxD	56.0 x 12.0 x 75.5 mm (2.21 x 0.47 x 2.97 in.)
Wiring category ⁽¹⁾	1 – on signal ports
Wire size	Determined by installed terminal block
Weight, approx.	30.9 g (0.068 lb)
Pilot duty rating	DC 14 pilot duty
North American temp code	T4
IEC temp code	T4
Enclosure type rating	None (open-style)
Keyswitch position	8

⁽¹⁾ Use this conductor category information for planning conductor routing as described in Industrial Automation Wiring and Grounding Guidelines, publication [1770-IN041](#).

Environmental Specifications

Attribute	Value
Temperature, operating	IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): -20...55 °C (-4...131 °F)
Temperature, nonoperating	IEC 60068-2-1 (Test Ab, Unpackaged Non-operating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Non-operating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Non-operating Thermal Shock): -40...85 °C (-40...185 °F)
Relative humidity	IEC 60068-2-30 (Test Db, Unpackaged Damp Heat): 5...95% noncondensing