



Compact I/O 1769-IF8 Analog Input Module

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Specifications

General Specifications

Specification	Value
Dimensions	118 mm (height) x 87 mm (depth) x 52.5 mm (width) height including mounting tabs is 138 mm 4.65 in. (height) x 3.43 in (depth) x 2.07 in (width) height including mounting tabs is 5.43 in.
Approximate Shipping Weight (with carton)	450g (0.99 lbs.)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Operating Temperature	0°C to +60°C (32°F to +140°F)
Operating Humidity	5% to 95% non-condensing
Operating Altitude	2000 meters (6561 feet)
Vibration	Operating: 10 to 500 Hz, 5G, 0.030 in. peak-to-peak
Shock	Operating: 30G, 11 ms panel mounted (20G, 11 ms DIN rail mounted) Non-Operating: 40G panel mounted (30G DIN rail mounted)
Agency Certification	<ul style="list-style-type: none"> • C-UL certified (under CSA C22.2 No. 142) • UL 508 listed • CE compliant for all applicable directives
Hazardous Environment Class	Class I, Division 2, Hazardous Location, Groups A, B, C, D (UL 1604, C-UL under CSA C22.2 No. 213)
Radiated and Conducted Emissions	EN50081-2 Class A
<i>Electrical /EMC:</i>	<i>The module has passed testing at the following levels:</i>
<ul style="list-style-type: none"> • ESD Immunity (IEC1000-4-2) 	<ul style="list-style-type: none"> • 4 kV contact, 8 kV air, 4 kV indirect
<ul style="list-style-type: none"> • Radiated Immunity (IEC1000-4-3) 	<ul style="list-style-type: none"> • 10 V/m , 80 to 1000 MHz, 80% amplitude modulation, +900 MHz keyed carrier
<ul style="list-style-type: none"> • Fast Transient Burst (IEC1000-4-4) 	<ul style="list-style-type: none"> • 2 kV, 5kHz
<ul style="list-style-type: none"> • Surge Immunity (IEC1000-4-5) 	<ul style="list-style-type: none"> • 1 kV galvanic gun
<ul style="list-style-type: none"> • Conducted Immunity (IEC1000-4-6) 	<ul style="list-style-type: none"> • 10 V, 0.15 to 80MHz⁽¹⁾

⁽¹⁾ Conducted Immunity frequency range may be 150 kHz to 30 MHz if the Radiated Immunity frequency range is 30 MHz to 1000 MHz.