

POINT I/O and ArmorPOINT I/O 2 Port EtherNet/IP Adapters

Catalog Numbers 1734-AENTR, 1738-AENTR, Series A



Environmental Specifications

Specification	Description
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) – 1734-AENTR -20...60 °C (-4...140 °F) – 1738-AENTR
Temperature, storage	IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock): -40...85 °C (-40...185 °F)
Relative humidity	IEC 60068-2-30 (Test Db, Unpackaged Damp Heat): 5...95% noncondensing
Vibration	IEC 60068-2-6 (Test Fc, Operating): 5 g @ 10...500 Hz
Shock, operating	IEC60068-2-27 (Test Ea, Unpackaged Shock): 30 g
Shock, non-operating	IEC60068-2-27 (Test Ea, Unpackaged Shock): 50 g
Emissions	CISPR 11: Group 1, Class A
ESD immunity	IEC 61000-4-2: 6 kV contact discharges – 1734-AENTR 8 kV contact discharges 8 kV air discharges
Radiated RF immunity	10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz 10V/m with 200 Hz 50% Pulse 100% AM at 900 MHz 10V/m with 200 Hz 50% Pulse 100% AM at 1890 MHz 3V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz – 1734-AENTR
EFT/B immunity	IEC 61000-4-4: ±4 kV at 5 kHz on power ports ±2 kV at 5 kHz on communication ports ±3 kV at 5 kHz on communication ports – 1734-AENTR
Surge transient immunity	IEC 61000-4-5: ±1 kV line-line(DM) and ±2 kV line-earth(CM) on power ports ±2 kV line-earth(CM) on unshielded communications ports (tested as balanced circuits)
Conducted RF immunity	IEC 61000-4-6: 10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz

Certifications

Certifications (when product is marked)⁽¹⁾	Value
c-UL-us	<p>1734-AENTR only</p> <p>UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584</p> <p>UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.</p>
CE	<p>European Union 2004/108/EC EMC Directive, compliant with: EN 61326-1; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)</p>
C-Tick	<p>Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions</p>
Ex	<p>1734-AENTR only</p> <p>European Union 94/9/EC ATEX Directive, compliant with: EN 60079-15; Potentially Explosive Atmospheres, Protection "n" (Zone 2)</p>
EtherNet/IP	<p>ODVA conformance tested to EtherNet/IP specifications</p>

(1) See the Product Certification link at <http://www.rockwellautomation.com/products/certification/> for Declaration of Conformity, Certificates, and other certification details.