

## *Installation Instructions*

# **ControlLogix DeviceNet Scanner Module**

Catalog Numbers 1756-DNB, Series C and D

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### ControlLogix DeviceNet Scanner Module, Cat. No. 1756-DNB

USB port	USB 1.1 USB Device USB Series B Receptacle
DeviceNet connector torque	0.56...0.79 Nm (5...7 in-lb)
Power supply	To comply with the CE Low Voltage Directive (LVD), DeviceNet network must be powered from a source compliant with the following: Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV). To comply with UL restrictions, DeviceNet network must be powered from a source compliant with the following: Class 2 or Limited Voltage/Current.

<sup>(1)</sup> Use this Conductor Category information for planning conductor routing. Refer to Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).

## 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): 0...60 °C (32...140 °F)
Temperature, nonoperating	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): 2 g @ 10...500 Hz
Shock, operating	IEC 60068-2-27 (Test Ea, Unpackaged Shock): 30 g
Shock, nonoperating	IEC 60068-2-27 (Test Ea, Unpackaged Shock): 50 g
Emissions	CISPR 11: Group 1, Class A
ESD immunity	IEC 61000-4-2: 6 kV contact discharges 8 kV air discharges
Radiated RF immunity	IEC 61000-4-3: 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 1V/m with 1 kHz sine-wave 80%AM from 2000...2700 MHz
EFT/B immunity	IEC 61000-4-4: ±3 kV at 5 kHz on DeviceNet port
Surge transient immunity	IEC 61000-4-5: ±2 kV line-earth(CM) on DeviceNet port
Conducted RF Immunity	IEC 61000-4-6: 10V rms with 1 kHz sine-wave 80%AM from 150 kHz...80 MHz

## Certifications

Certification	Value	
Certifications <sup>(1)</sup> (when product is marked)	UL	UL Listed Industrial Control Equipment. See UL File E65584.
	UL	UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations. See UL File E194810.
	c-UL-us	UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584.
	c-UL-us	UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.
	CSA	CSA Certified Process Control Equipment. See CSA File LR54689C
	CSA	CSA Certified Process Control Equipment for Class I, Division 2 Group A,B,C,D Hazardous Locations. See CSA File LR69960C.
	FM	FM Approved Equipment for use in Class I Division 2 Group A,B,C,D Hazardous Locations
	EEx	European Union 94/9/EC ATEX Directive, compliant with: EN 60079-15; Potentially Explosive Atmospheres, Protection "n" (Zone 2)
	CE	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)
	C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
	ODVA	ODVA conformance tested to DeviceNet specifications

<sup>(1)</sup> See the Product Certification link at <http://ab.com> for Declarations of Conformity, Certificates, and other certification details.