

Avtron XRB2 Intrinsic Safety Isolator



Isolator for Class/Div &
 Class/Zone Level 1
 Applications of Avtron
SMARTSafe™ Incremental
 Encoders

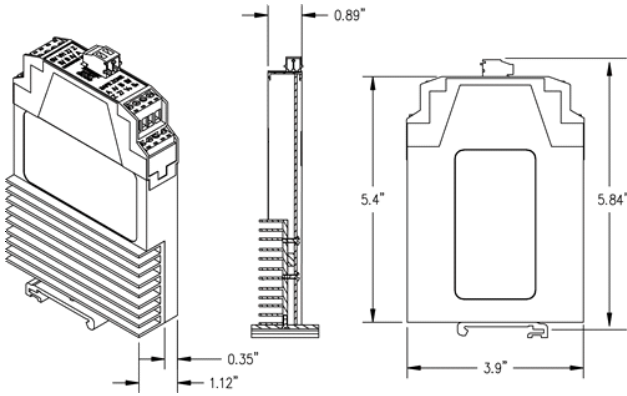
Avtron XRB2 Intrinsic Safety Isolator

XRB2

XRB2 Isolators are fully replaced by XRB3 Isolators for all applications.

- | Obsolete, replaced by XRB3
- | 3 Year No-Hassle Warranty

OUTLINE DRAWING



Check out our website for more detailed specifications, drawings, and installation instructions. www.avtronencoders.com

MORE XRB2 ADVANTAGESXRB2

- ┆ Provides Level 1 Encoder Protection
- ┆ Obsolete, replaced by XRB3

SPECIFICATIONS

Operating Power: 12-24VDC, nom. 200mA (w/SMARTSafe™ encoder); max 440mA
Output Voltage: 12-24V, nom.
Output Format: Incremental A Quad B with marker (A,A-, B,B-, Z,Z- quadrature)
Frequency Range: 0 to 165 KHz
Maximum Cable Length: 1000' [300m] XRB2 to control; 500' [152m] XRB2 to encoder*
Temperature: -40°C to 80°C (Storage -40°C to 100°C)
Environmental: IP54, cabinet mount
Vibration: 5-2000Hz, 18Gs
Weight: 1.1 lbs. [0.5 kg]

**XRB2 to encoder allowable cable length may be affected by cable characteristics and gas group application.*

Certifications:

Associated apparatus for installation in Unclassified locations.

Provides intrinsically safe circuits for use in metals, marine, and oil & gas applications

cULus Class I, Division 1 Listed, (Gas) Groups A, B, C, D
 cULus Class I, Zone 0, Group IIC Listed [AEx ia Ga] IIC



ATEX/IECEx, Zone 1, Group IIC [Ex ia IIC Gb] [Ex ia IIC Db]



SELECTION GUIDE

Model
XRB2



Nidec Industrial Solutions
243 Tuxedo Avenue - Cleveland, Ohio 44131

encoderhelpdesk@nidec-industrial.com
+1 216-642-1230 - www.avtronencoders.com



Features and specifications are subject to change without notice.
EU-SMART™, SMARTSafe™, SMARTTach™, THIN-LINE™, WIDE-GAP™,
SAFETach™ and BULLSEYE32™ are trademarks of Nidec Industrial Solution.
All other trademarks and registered trademarks are the property of their
respective owners. Nidec Industrial Solutions' standard warranty applies.
All dimensions approximate.