2320PDRI

Industrial RS-232 Isolated Repeater

- ✓ Supports Data Rates up to 115.2 Kbps
- ✓ Wide -40 to 80°C Temperature Range
- √ 10 to 48 VDC Input Power Range
- √ 2000 V 3-Way Optical Isolation
- ✓ UL Class 1 DIV 2 Listed

The 232OPDRI is our premium Industrial RS-232 Isolated Repeater. Designed for rugged industrial environments, it is UL listed and certified for use in Class 1 Division 2 locations. Powerful Optical Isolation on both data ports protects your equipment and data from damaging ground loops and surges. Additional isolation on the power supply circuits adds a third degree of protection.

Packaged in a rugged plastic case, this repeater operates in wide temperature extremes. With a 35mm DIN rail mounting bracket, the 232OPDRI is easy to integrate into your control panel or other industrial equipment.

Installation and configuration is easy. Data is connected with a DB9 female connector (DCE) and a DB9 male connector (DTE). Power is connected through terminal block that accepts 10 to 48 VDC from any external source.

Remember, when it comes to reliable communications in harsh duty industrial locations, B&B Electronics ILinx™ Brand is you number one choice.



Specifications

. Serial Technology Serial Connector DB9 F (DCE), DB9 M (DTE) Data Rate Up to 115.2 Kbps Isolation 2KV RMS, 1 Minute

Power Source External

Power Connector 2 Position, Removable Terminal Block Input Voltage 10 to 48 VDC (56 VDC Maximum)

Power Consumption 0.6 Watts (typical) Terminal Block

Wire Size Accepted 28 to 12 AWG Pitch 5.08 mm Insulation Resistance ≥500 MΩ @ 500 VDC Maximum Torque 5 Kg / cm

Indicators Power Red LED

Red LED TD, RD, CTS, RTS Data

Mechanical Dimensions 4.9 x 4.5 x 1.3 in (12.3 x 11.3 x 3.2 cm)

Enclosure IP 30 Plastic, 35 mm DIN Mount 0.43 lbs (195 g) Weight

MTBF 177250 Hours

MTBF Calc. Method Parts Count Reliability Prediction

Environmental Operating Temperature -40 to 80°C (-40 to 176°F) Storage Temperature -40 to 85°C (-40 to 185°F)

Operating Humidity 0 to 95% Non-condensing Regulatory Approvals FCC. CE. UL..

UL Class 1 DIV 2, Groups A, B, C, D

UL File E222870 (HAZLOC E245458)

Ordering Information

232OPDRI Industrial RS-232 Isolated Repeater

Required but Not Included

Power Supply MDR-20-24 or PS5R-SC24 (C1 D2)



