

BB-2320PDR

RS-232 Repeater, Industrial



Features

- Extends RS-232 data another 15 meters
- 2,000V optical isolation on data lines
- Up to 115.2 kbps data rate
- Supports 2 data pairs or 1 data pair with control signals in both directions
- -40 to +80 °C wide operating temperature
- DIN rail mount, IP30 case
- UL Recognized
- 10-30 V_{DC} power (power supply required, not included, sold separately)

Specifications

RS-232

- **Connector** Terminal Block
- **Signals** 4 signal lines in each direction
Protected ground on isolated side
- **Data Rate** 115.2 kbps

Isolation

- **Method** Optical
- **Rating** 2000 V

Power

- **Connector** Terminal block
- **Voltage** 10 to 30 V_{DC}
- **Power Consumption** 1.2 W
- **Source** External

Terminal Blocks

- **Wire Size** 24 to 14 AWG
- **Torque** 4 kgf-cm

LED Indicators

- **Data LEDs (RED)** Data LED for each side of isolator
Flashes when data transmitted
- **Power LED (RED)** ON when power applied

Enclosure

- **Material** Plastic
- **IP Rating** IP30
- **Dimensions** 2.5 x 7.9 x 9.5 cm
- **Mounting** 35 mm DIN (panel mount adapter available)

Environmental

- **Operating Temperature** -40 to +80 °C
- **Storage Temperature** -40 to +85 °C
- **Operating Humidity** 0 to 95% Non-condensing

Meantime Between Failures (MTBF)

- **MTBF** 244689 hours
- **MTBF Calculation Method** MIL217F Parts Count Reliability

Approvals, Directives, Standards

- **CE, FCC, RoHS, KCC**
- **cULus Recognized**
- **EU - Directives** 2014/30/EU – Electromagnetic Compatibility Directive
2011/65/EU amended by 2015/863/EU – Reduction of Hazardous Substances Directive (RoHS)
2012/19/EU – Waste Electrical & Electronic Equipment (WEEE)
- **EU - Standards** EN 55032 Class B – Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements
EN 55024 – Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement

Ordering Information

- **BB-2320PDR** RS-232 Repeater, Industrial

Accessories – sold separately

- **BB-MDR-20-24** DIN rail mount power supply 24 V_{DC}, 1.0 A output power

Dimensions

Unit: mm

