

Technical Information

This guide is designed to help you set up and install the R50C PoE Splitter. For complete information on programming, performance, troubleshooting, dimensions, and accessories, please refer to the Instruction Manual at www.bannerengineering.com. Search for part number 235182 to view the Instruction Manual. Use of this document assumes familiarity with pertinent industry standards and practices.

Status Indicators

Power LED Indicator (Green)

- Solid Green = Power On
- Off = Power Off

Specifications

Input Characteristics

Voltage: 42.5 V DC to 57 V DC
 Current: 30 mA independent of powered device
 PoE (Class 0 - 802.3af, 802.3at Type 1)

Output Characteristics

Voltage: 24 V DC $\pm 10\%$
 Current: 450 mA average
 Power: 12.95 W
 Limited energy power supply evaluated to IEC, UL, and CSA 61010-2-201 that can be used to power devices that require a Class 2 or SELV power supply

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Data Rate

10/100 Mbps

Construction

Coupling material: Nickel-plated brass
 Connector body: PVC translucent black

Connections

- (2) Integral 4-pin D-code M12 female quick-disconnect connectors
- (1) Integral 4-pin M12 female quick-disconnect connector

Environmental Rating

IP65, IP67, IP68
 UL Type 1

Operating Conditions

Temperature: -40°C to $+50^{\circ}\text{C}$ (-40°F to $+122^{\circ}\text{F}$)
 90% at $+60^{\circ}\text{C}$ maximum relative humidity (non-condensing)
Storage Temperature: -40°C to $+80^{\circ}\text{C}$ (-40°F to $+176^{\circ}\text{F}$)

Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 0.5 mm amplitude, 5 minutes sweep, 30 minutes dwell)
 Meets IEC 60068-2-27 requirements (Shock: 15G 11 ms duration, half sine wave)

Product Identification



Certifications



Banner Engineering BV
 Park Lane, Culliganlaan 2F bus 3
 1831 Diegem, BELGIUM



Turck Banner LTD Blenheim House
 Blenheim Court
 Wickford, Essex SS11 8YT
 GREAT BRITAIN

Required Overcurrent Protection



WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	1.0	30	0.5

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R50C PoE Splitter Datasheet

Specifications and product information in English supersede that which is provided in any other language. For the most recent version of any documentation, refer to: www.bannerengineering.com.

For patent information, see www.bannerengineering.com/patents.

Document title: R50C PoE Splitter Datasheet

Part number: 235181

Revision: A

Original Instructions

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