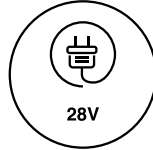
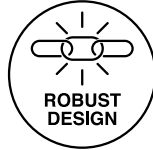


BR Series

Ø.319" (8.10mm) Night Vision, LED Indicator Vandal resistant



Robust LED with recessed bezel for increased night vision visibility. Suitable high vibration environments and is ideal for heavy-duty applications.



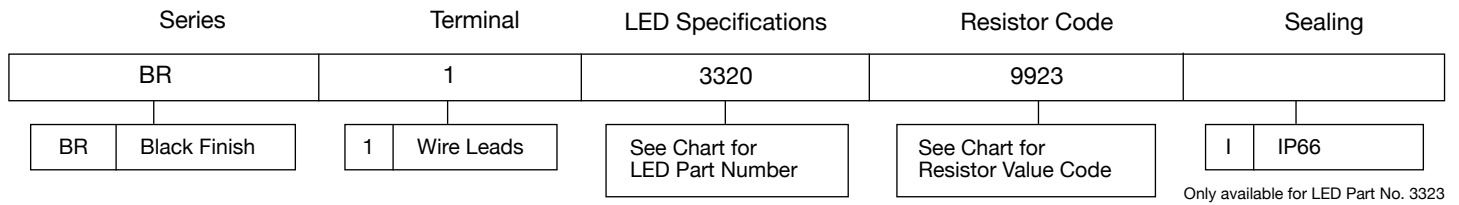
Applications

- Pilot Instrumentation
- Status Maintenance
- Maintenance and Warning Indication
- Signaling
- Remote Power Indication
- Main Power Indication
- Safety and Emergency
- Aircraft/Military Instrumentation
- Maritime, Oil and Gas Industry

Key Features

- Mounting hole diameter: 0.319" (8.1mm) ~ 0.327" (8.3mm)
- Maximum panel thickness: .160" (4.06mm) and .100" (2.54mm) with gasket seal
- Recessed T-1 3/4 (5mm) LED position that offers a viewing angle up to 60°
- Prominent bezel style LED indicator for increased night vision visibility
- Sealed against moisture and dust - IP66 (Optional)
- Resistant to shock and vibration
- Voltage: 28V
- Termination: 6.0" (152.4 mm) 24AWG red(anode) and black(cathode MIL-W-22759/33 leads stripped .250" (6.35mm)
- Black anodized finish
- Mil Spec MIL-W22759/33 wire and connector options
- Available in three single colors: red, yellow, green
- Mounting hardware provided: hex nut, washer, and gasket
- Thread size: M8 X 0.75mm
- Mounting torque: 20 ± 2 in-lb (2.26 ± 0.23 N-mm)
- MIL-L-85762A and MIL-STD-3009 compliant
- For nickel plated housing (CR Series), custom cable length, connectors, or single/bi-color LED contact VCC
- RoHS and REACH Compliant

Ordering Data



Example:
BR-1-3321-9923
 BR Black Finish, Wire Leads, Green LED 28V

LED Specification Chart Electrical and Optical Characteristics (TA = 25°C)

LED Part Numbers	Color	Luminous Intensity (mcd) Typ. @ IF (mA)		VF Typ. @ IF (mA)		Viewing Angle (2θ ^{1/2})
3320	Yellow	2288	20	3.2	20	60°
3321	Green	1573	20	3.2	20	60°

Resistor Chart Operating Specification

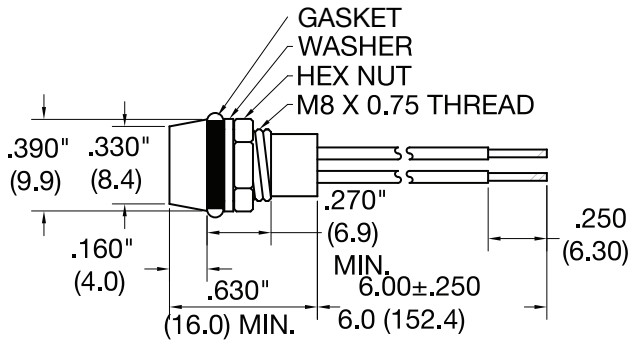
Resistor Value Code	Voltage	Current (mA)	Resistor Value (Ohms) Yellow, Green	Resistor Value (Ohms) Red
9923	28	20	1500	1500

IP Rated

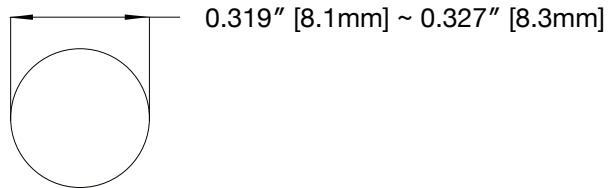
3323	Red	2600	20	2.2	20	60°
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Product Dimensions

BR Series



Recommended Mounting Hole



Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm .002$ [0.05] unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

Materials	
Housing	Black anodized brass housing
Wire Leads	24 AWG, 6" length, red anode, black cathode
Washer	Stainless steel
Gasket	Buna
Hex Nut	Brass Alloy

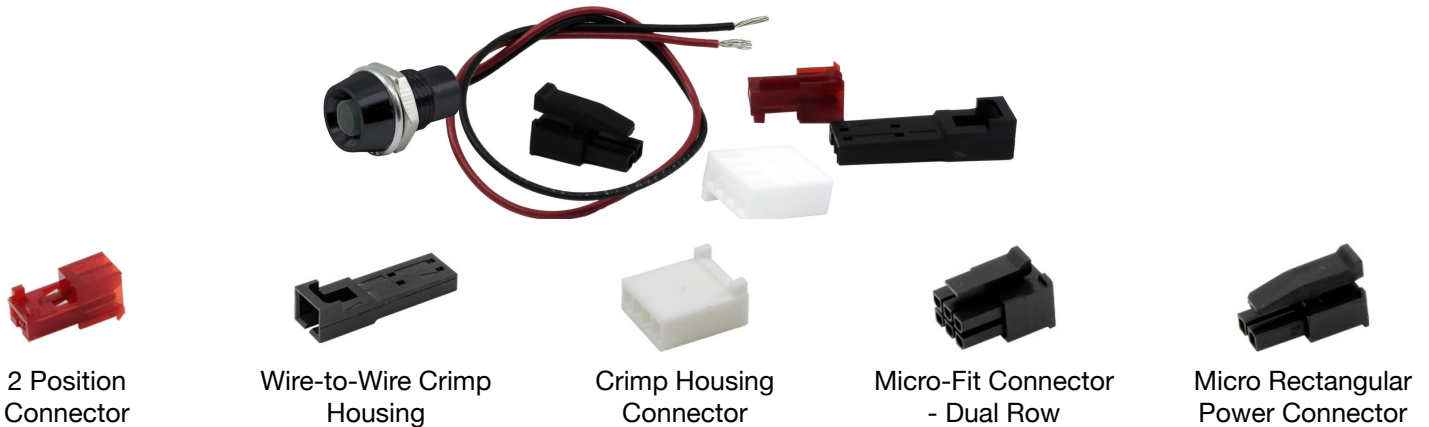
Electrical Specifications	
Operating Voltage	Refer to table
Operating Current	Refer to table

Installation Specifications	
Mounting Hole	0.319" (8.1mm) ~ 0.327" (8.3mm)
Panel Thickness (max.)	.160" (4.06mm) .100" (2.54mm) gasket seal
Wire Leads	6.0" (152.4 mm) 24AWG red (anode) and black (cathode MIL-W-22759/33 leads stripped .250" (6.35mm))
Mounting Torque	20 ± 2 in-lb (2.26 ± 0.23 N-mm)

Temperature Specifications	
Operating Temperature	-40°C to +85°C -40°F to +185°F
Storage Temperature	-40°C to +85°C -40°F to +185°F

Custom Connector

VCC can add crimped connections to your panel mount indicators (PMIs) and combine two final steps into one seamless transaction. We offer a range of connector options, including:



2 Position Connector

Wire-to-Wire Crimp Housing

Crimp Housing Connector

Micro-Fit Connector - Dual Row

Micro Rectangular Power Connector

Compliances and Approvals

