EB-RJF Waterproof Ethernet Connectors

Sixnet Networking Series

red lion®

►►► ## Industrial IP67 Waterproof Connectors

Use the EB-RJF industrial Ethernet connectors and plugs to make ultra-rugged and reliable connections indoors or outdoors that are water, corrosion and vibration proof.

The EB-RJF-BLKHD industrial bulkhead (through-wall) connector gives you a watertight pass-through Ethernet connection. The mating EBRJF-PLUG industrial Ethernet plug is field installable around a standard RJ45 Ethernet connector. These rugged connectors and plugs are the perfect match for the Etherbus Kevlar-reinforced super-rugged Ethernet cabling.

PRODUCT HIGHLIGHTS

> IP67 (NEMA 6) rated to protect against fluids (water, oil, etc.) and dust

> Shock, vibration and traction (pulling) resistant

> Strain relief prevents cable breaks

> Circular reverse-bayonet (1/4-turn) for the quickest and easiest latching – saves time!

> Field-installable plugs – No tools required!

> Fits over standard Ethernet cables

> Truly industrial rated for any application

ETHERNET PERFORMANCE

Ethernet data rates supported 10/100/1000 Base T
Cat 5E cable supported per TIA/EIA 568B and ISO/IEC 11801, Class D
Cat 6 cable supported per TIA/EIA 568B and ISO/IEC 11801, Class E

MECHANICAL CHARACTERISTICS

Coupling (connection method) Reverse bayonet – just a quarter turn and lock
RJ45 cordset retention in the plug 70 N in the axis
Mating cycles 500 minimum

ENVIRONMENTAL

Sealing protection IP67 and NEMA 6 – dust, oil and water-proof to 1 meter for >30 min
Salt spray protection 1000 hours minimum
Fire retardant / low smoke UL94 V0; NFF 16102, DIN 5510-2
Thermal shock 5 cycles @ -40°C to +100°C
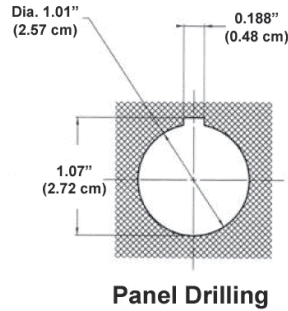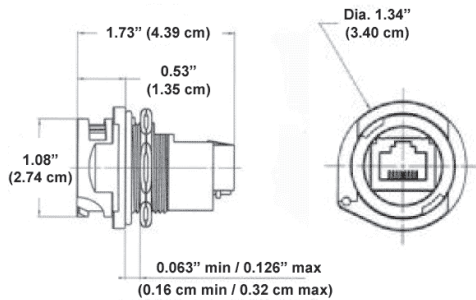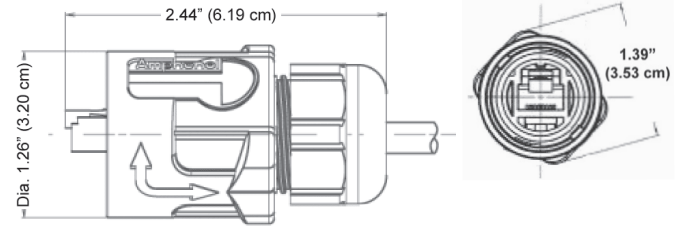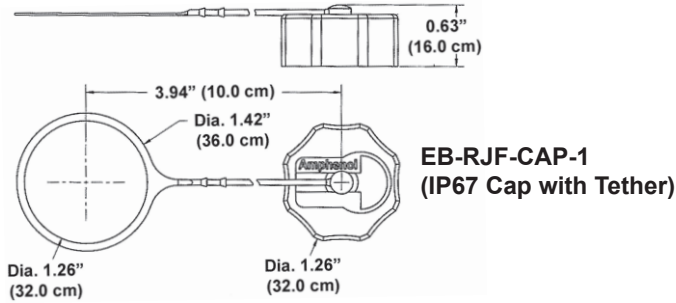Operating temperature -40°C to +85°C
ROHS Compliant

All specifications are subject to change. Consult factory for latest info.

ORDERING GUIDE

PART NUMBER	DESCRIPTION
EB-RJF-BLKHD-1	IP67 quick-latching (1/4 turn) bulk-head (through-wall) connector
EB-RJF-PLUG-1	IP67 field-installable quick latching (1/4 turn) Ethernet plug
EB-RJF-CAP-1	IP67 protective cap for bulk-head connector

industrial
networking

DIMENSIONS

0.63"
(16.0 cm)

3.94" (10.0 cm)
Dia. 1.42"
(36.0 cm)

**EB-RJF-CAP-1
(IP67 Cap with Tether)**

Dia. 1.26"
(32.0 cm)

Dia. 1.26"
(32.0 cm)

2.44" (6.19 cm)

Dia. 1.26" (3.20 cm)

1.39"
(3.53 cm)

Dia. 1.34"
(3.40 cm)

1.73" (4.39 cm)

0.53"
(1.35 cm)

1.08"
(2.74 cm)

0.063" min / 0.126" max
(0.16 cm min / 0.32 cm max)

Dia. 1.01"
(2.57 cm)

0.188"
(0.48 cm)

1.07"
(2.72 cm)

**EB-RJF-PLUG-1
(IP67 Ethernet Plug)**

Panel Drilling

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