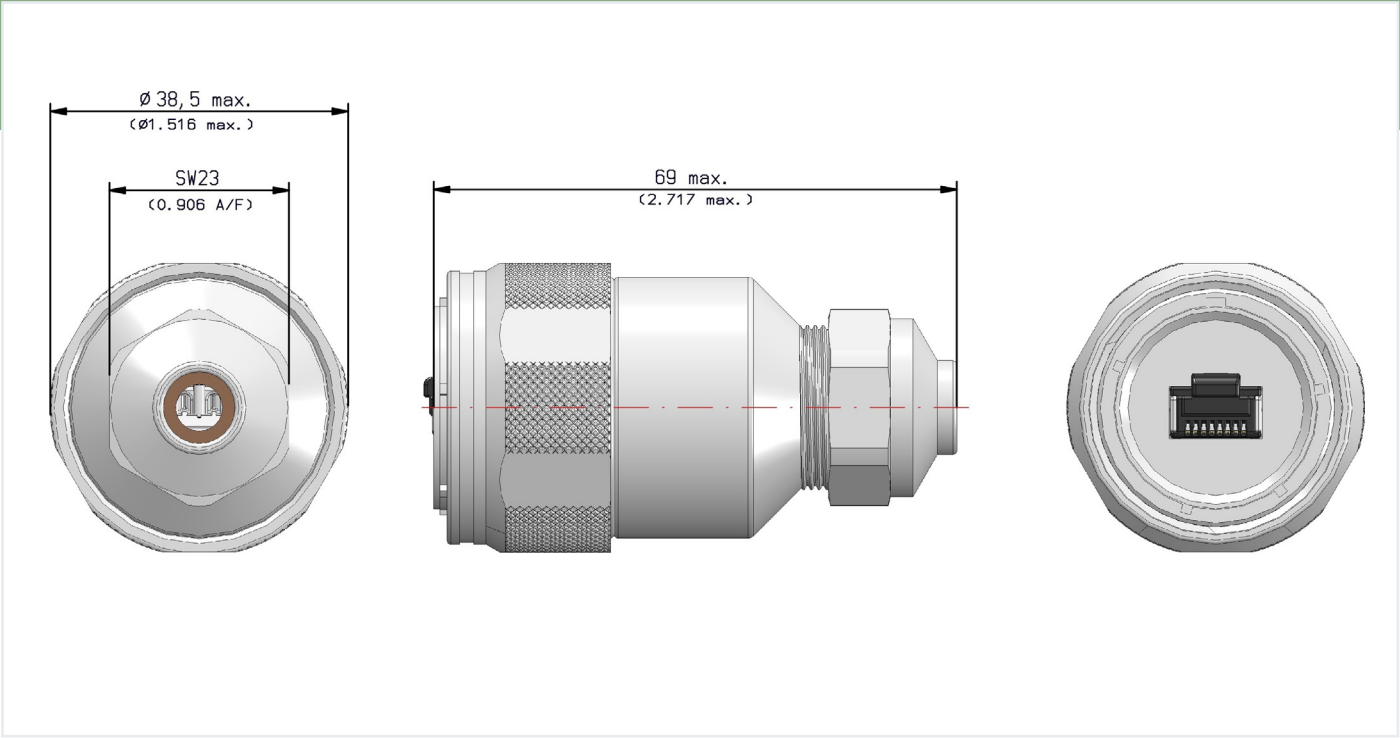


X1-SERIES - RUGGED ETHERNET CONNECTIONS

RJ45 CAT6A – FIELD TERMINATION PLUG CABLE GLAND X1-9814



INFORMATION

All dimensions in
mm (inch) unless
otherwise specified.

Shell derived from D38999

PN: X1-9814
Datasheet Version: 1.0

CATALOG:

Harsh Environment
Data Connectivity Solutions

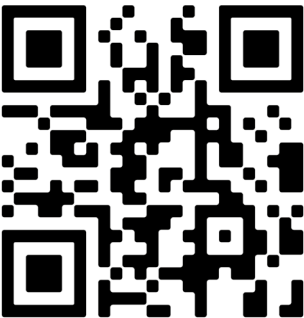
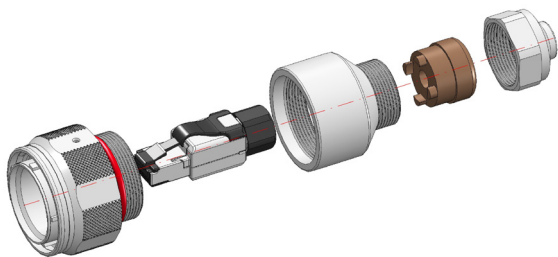


Table A: Material & Plating

Material & Plating Code	Technical Design	ROHS-/REACH Compliant	Electrically Conductive	Salt Spray Resistance according to MIL spec.	Salt Spray Resistance according to VG spec.
V	Tin-Zinc grey Base material: Al-alloy Tin-Zinc over electroless Nickel	Yes	Yes	500 hrs	5 day cyclic
5	Electroless Nickel Base material: Al-alloy	Yes	Yes	48 hrs	n.a.
2	Zinc-Nickel black Coupling ring: Al-alloy, black anodized Shell: Zinc-Nickel black chromate over electroless Nickel	Yes	Yes	500 hrs	n.a.
6	Cadmium olive drab Coupling ring: Al-alloy, olive drab anodized Shell: Al-alloy Cadmium plated olive drab over electroless Nickel	No	Yes	500 hrs	5 day cyclic
9	Marine Bronze Base material: Marine Bronze CuAl10Ni5Fe4 (CW307G) Shotblast, nonreflective	Yes	Yes	n.a.	n.a.
1	Stainless Steel / passivated	Yes	Yes	n.a.	n.a.

Performance

Voltage rating AC / DC	35 V / 50 V
Temperature	-40 °C to +85 °C
Mating cycles	>500
Data transmission	10 Gbit/s (500 Mhz)
IDC wire gauge	22 - 26 AWG
Clamping range	6,0-8,0 mm (0.236-0.316)



Materials

RJ45 housing	Zinc alloy
Contacts plating	Selective Gold 1,27µm (50 µin)
Contacts	Phosphor bronze alloy
Housing	See option material
IDC	Phosphor bronze alloy with 2,54 µm (100 µin) 100% Sn alloy
Grommet	Polyoxymethylen copolymer

For details about keyway polarization see table 1 in the full „Harsh Environment Data Connectivity Solutions“ catalog.

How to order

Table X1-9814 19 5 N 0

Basic part number

Shell size

Material & plating code

A

Keyway polarization

1

RJ45 orientation

2

ORDER EXAMPLE X1-9814-19-5N0

CAT6A FIELD TERMINATION PLUG

SIZE 19

ELECTROLESS NICKEL

KEYWAY=N (STANDARD)

RJ45 Position = 0°

EMCA CONNECTOR SOLUTIONS GMBH

X1-9814 | Datasheet Version 1.0

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