

E-Xtreme® series

TECHNICAL FEATURES

The protection is granted also in case of impact with stones and sand. The materials are able to withstand UV radiations, a wide temperature range and harsh chemicals.

The E-Xtreme® series is available in the **full range** of ILME aluminum hoods and housings versions.

Applicable test standards

EN 61984:2009-06	Connectors - Safety requirements and tests
EN 60529: 1991 + A1: 2000 + A2: 2013	Degrees of protection provided by enclosures (IP code)
EN ISO 9227: 2012	Corrosion tests in artificial atmospheres - Salt spray tests
ASTM B117-16	Standard practice for operating salt spray (fog) apparatus
EN 60512 (series)	Connectors for electronic equipment - Tests and measurement
EN 60068-2-68: 1996	Environmental testing - Part 2-68: Tests - Test L: Dust and sand
EN ISO 20567-1: 2005	Paints and varnishes -- Determination of stone-chip resistance of coatings -- Part 1: Multi-impact testing

General specifications

Material	Aluminum die-cast
Painting	Epoxy powder coating
Colour	RAL 7016 (dark grey)
Locking lever, springs and pegs	Stainless steel
Lever handle	C-TYPE lever: Polyamide V-TYPE lever: Stainless steel
Gasket	FKM
Silicone-based compounds	Free (except version for -60 °C... +180 °C)
EN ISO 9227: 2012	3.000 hours (V-TYPE lever and hood with moulded pegs) 2.000 hours (C-TYPE lever and hood with riveted stainless steel bolts)
Temperature limits	-40 °C... +125 °C (-60 °C... +180 °C with silicone gasket)
Degree of protection according to IEC/EN 60529 (in mated and locked condition)	IP44, IP65/IP69, IP66/IP69, IP66/IP67/IP69, IP66/IP68/IP69
Stone chipping test	ISO 20567-1
Dust and sand blasting test	EN 60068-2-68
Vibration test	EN 61373 cat. 1B, 3 axis EN 60068-2-6 10+500 Hz 0,35mm/5g break point 60, 1 Hz 3 axis
Shock test	EN 61373 cat. 1B, 3 axis
UV resistance	EN ISO 4892-2, EN 50467 on locked housings
Ozone resistance	EN 50467 on locked housings
Chemical resistance	Cleaning fluids, anti-freezing fluids, mineral and synthetic oils, cooling fluids, diesel fuel