



# FGN.1M.305.XLCT

## MECHANICAL DETAILS

**Shell Style Model** FG\* : Straight plug with arctic grip and mold stop

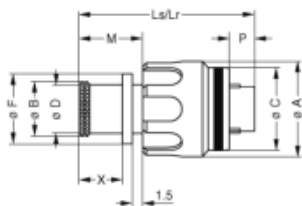
**Keying** 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)

**Housing Material** Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass

**Cable Fixing** 0 - 0 mm

**Variant 2** :

				A	B	C	D	F
Mm.				15.9	10.5	14.2	9.7	12.4
In.				0.63	0.41	0.56	0.38	0.49



## PERFORMANCE DETAIL

**Insert** 1M.305 : 5 Low Voltage

**Insulator**

**Specifications**

**Contact Type:** Crimp

**Max. Matings:** 5000

**Contact** 30 N

**Contact Dia.:** 0.9 mm (0.035in)

**Bucket Dia.:** 1.1 mm (0.043in)

**Min. Conductor:** 0.25 mm<sup>2</sup> (AWG 24)

**Max. Conductor:** 0.5 mm<sup>2</sup> (AWG 20)

**R (max):** 4.8 mOhm

**Extractor:** DCF.93.090.4LT

**Positioner:** DCE.91.090.5MVC



## OTHER CHARACTERISTICS

**Shell Style/Model** Libellé

**Humidity (max):** <=95% [at 60 deg C /140 F]

**Vibration:** 15 g [10 Hz - 2000 Hz]

**Shock Resistance:** 100 g [ 6 ms]

**Operating** -55°C / +200°C

**Climatical** 15/200/21 (Al. shell)

**Lighting strike EIA** 10K amps - 6 times

**EMI Shielding EIA** - 1Ghz-80 dB,3GHz-70 dB,6GHz- 58dB

**IP Rating** 68

