# PEN.1M.307.XLMT

## SUMMARY

### # Wires

| | |
|---|---|
| Low | 7 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |

*Image is for illustrative purpose only*

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Catalog

| | |
|---|---|
| Series | 1M |
| Termination type | Female crimp |
| IP rating | 68 |
| Cable Ø | 4.85 - 9.70 mm |
| Matching parts | FMN.1M.307.XLCT |
| Status | active |
| Alternative part | |

## TECHNICAL DETAILS

### Mechanics

| | |
|---|---|
| Shell Style/Model | PE*: Fixed receptacle, nut fixing 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 | : 4.85 - 9.7 mm |
| Variant | |
| Weight | 8.70 g |

### Performance

| | |
|---|---|
| Configuration | 1M.307 : 7 Low Voltage |
| Insulator | |
| Rated Current | 7.0 Amps |

### Specifications

Contact Type: Crimp
Max. Matings: 3000

Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm^2 (AWG 26)
Max. Conductor: 0.34 mm^2 (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact:  1.45
Test voltage (kV rms) Contact-shell:  1.2

## Others

Humidity (max): <=95% [at 60 deg C /140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [ 6 ms]
Operating temperature:  -55°C/ +200°C
 Climatical Category: 15/200/21 (Al. shell)
Lighting strike EIA 364-75 10K amps - 6 times
EMI Shielding EIA 364-66A - 1Ghz-80 dB,3GHz-70 dB,6GHz- 58dB
IP Rating: 68

# DRAWINGS

**Draws**
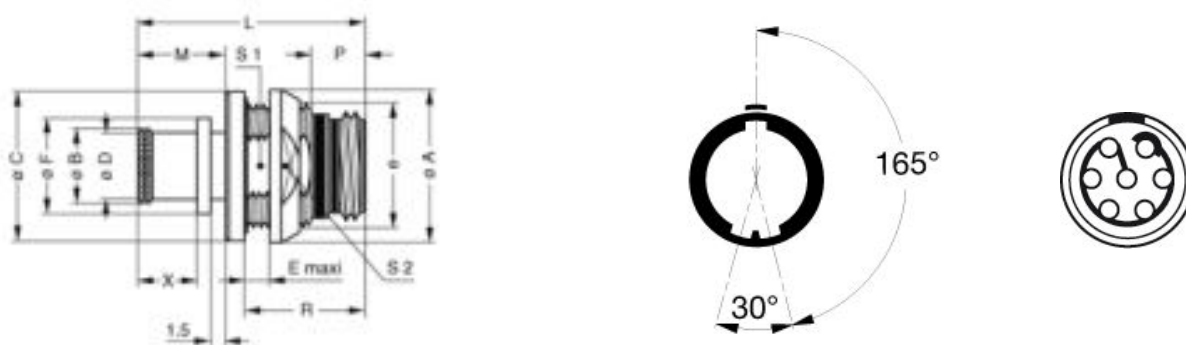


**Dimensions**

|      | A    | B    | C    | D    | E    | Lr   | Ls   | M    | P    | R    | S1   | S2   | e        |
| ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | -------- |
| mm.  | 18   | 10.5 | 17.8 | 9.7  | 5    | 25.6 | 25.6 | 9.7  | 5.3  | 13.8 | 12.5 | 16   | M14x1.00 |
| in.  | 0,71 | 0,41 | 0,70 | 0,38 | 0,20 | 1,01 | 1,01 | 0,38 | 0,21 | 0,54 | 0,49 | 0,63 |          |

# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V
Crimp settings: AWG/Selector = 22-24-26/6-5-5
Positionner: DCE.91.070.3MVM
Extractor: DCF.93.070.4LT
Replacement contact: EGN.0M.655.ZZM
Spanner wrench: DCM.65.000.4PA

## Cables