

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | MM |
| Termination type | Male crimp |
| IP rating | 68 mated (mating interface) |
| AWG wire size | 32.00 - 28.00 |
| Cable Ø | 2.80 - 5.60 mm |
| Status | active |
| Matching parts | EGN.MM.304.XLM |

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[See video assembly instructions](#)

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| 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 | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Weight | 4.50 g |

Performance

| | |
|---------------|------------------------|
| Configuration | MM.304 : 4 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 2 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm

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Others

Endurance (Shell): 3000 mating cycles

Temp (min / max): -20°C / +200°C

Humidity (max): 21 days at 95%

Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)

Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]

Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]

Shock Resistance: 300 g [3 ms]

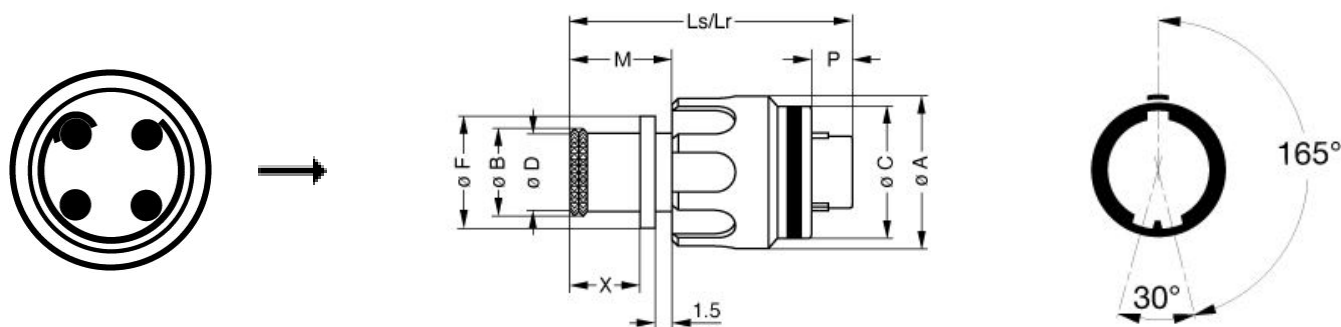
Lighting strike EIA 364-75: 10K amps - 6 times

Thermal shock: 5 cycles: -65°C to +150°C

EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)

Salt Spray Corrosion: max. 48 hr

DRAWINGS



Dimensions

| | A | B | C | D | F | Lr | Ls | M | P | X |
|-----|------|------|------|------|------|------|------|------|------|------|
| mm. | 12 | 6.4 | 10.7 | 5.6 | 7.8 | 24.3 | 24.3 | 8.8 | 5.5 | 5.8 |
| in. | 0,47 | 0,25 | 0,42 | 0,22 | 0,31 | 0,96 | 0,96 | 0,35 | 0,22 | 0,23 |

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

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Crimp settings: AWG/Selector = 28-30-32/4-3-3
Positionner: [DCE.91.050.0VC](#)
Extractor: [DCC.05.02B.LAG](#)
Replacement contact: FGG.00.554.ZZC

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