

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

| | |
|------------------|---------------------------------|
| Series | 0M |
| Termination type | Female crimp |
| IP rating | 68 when mated |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 4.00 - 8.00 mm |
| Status | active |
| Matching parts | FMN.0M.303.XLCT |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PM*: Free receptacle with knurled 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 | 7.68 g |

Performance

| | |
|---------------|------------------------|
| Configuration | 0M.303 : 3 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 8 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm
Test voltage (kV rms) Contact-contact: 1.70

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Test voltage (kV rms) Contact-shell: 1.4

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]

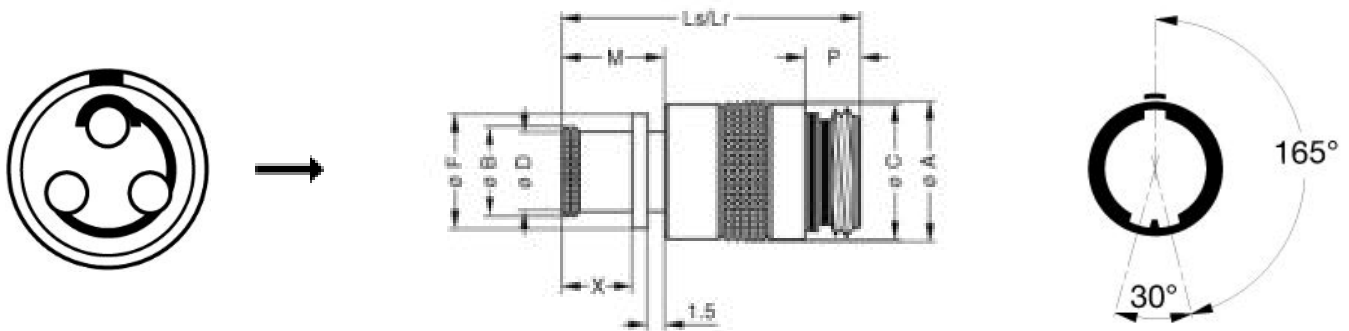
Lighting strike EIA 364-75: 10K amps - 6 times

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. | 13.1 | 8.8 | 12.7 | 8 | 10.7 | 28.6 | 28.6 | 9.7 | 5.3 | 6.7 |
| in. | 0,52 | 0,35 | 0,50 | 0,31 | 0,42 | 1,13 | 1,13 | 0,38 | 0,21 | 0,26 |

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Tools

| | |
|----------------------|---------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 20-22-24/6-5-5 |
| Positionner: | DCE.91.090.3MVM |
| Extractor: | DCC.09.05B.LAG |
| Replacement contact: | EGN.0M.660.ZZM |

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