

SUMMARY

Wires

Low voltage 3

Series 0M
Termination type Male crimp
IP rating 68
AWG wire size 24.00 - 20.00
Cable Ø 4.00 - 8.00 mm
Status active
Matching parts [PEN.0M.303.ILMT](#)



Image is for illustrative purpose only

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FM*: Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip and mold stop
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material Aluminium (NiCorAl Nickel fluorocarbon polymer, anthracite color) shell and nut, other pieces bronze/brass
Weight 6.40 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

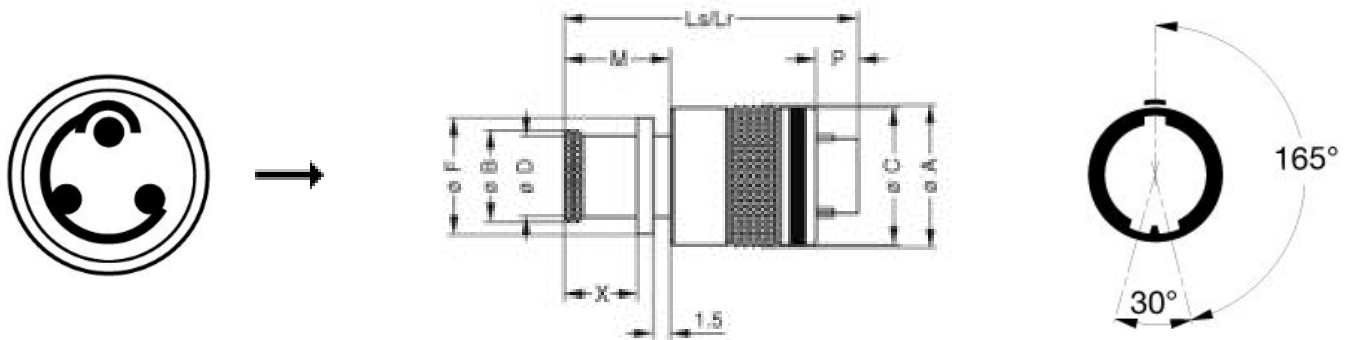
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Test voltage (kV rms) Contact-contact: 1.70
 Test voltage (kV rms) Contact-shell: 1.4

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. 500 hr

DRAWINGS



Dimensions

| | A | B | C | D | F | Lr | Ls | M | P | X |
|-----|------|------|------|------|------|------|------|------|------|------|
| mm. | 13.1 | 8.8 | 12.7 | 8 | 10.7 | 27.1 | 27.1 | 9.7 | 3.9 | 6.7 |
| in. | 0,52 | 0,35 | 0,50 | 0,31 | 0,42 | 1,07 | 1,07 | 0,38 | 0,15 | 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.91.090.5MVC](#)
Extractor: [DCF.93.090.4LT](#)
Replacement contact: FGN.0M.560.ZZC

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