

SUMMARY

Wires

Low voltage 25



Image is for illustrative purpose only

Series TM
Termination type Male crimp
IP rating 68
AWG wire size 24.00 - 20.00
Cable Ø 8.35 - 16.70 mm
Status active
Matching parts [PMW.TM.325.XLMT](#)

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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 5 keys (alpha=95, beta=115, gamma=35, delta=25, 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 19.14 g

Performance

Configuration TM.325 : 25 Low Voltage
Insulator L: PEEK
Rated Current 5 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)

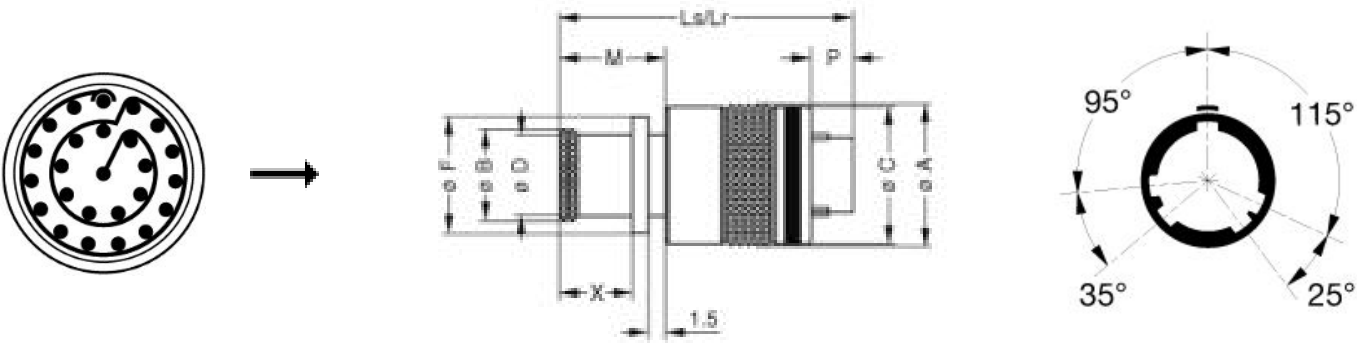
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R (max): 4.8 mOhm
Test voltage (kV rms) Contact-contact: 1.10
Test voltage (kV rms) Contact-shell: 1.25

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. | 22.5 | 17.9 | 22 | 16.7 | 19.8 | 31.6 | 31.6 | 10.6 | 3.4 | 7.6 |
| in. | 0,89 | 0,70 | 0,87 | 0,66 | 0,78 | 1,24 | 1,24 | 0,42 | 0,13 | 0,30 |

RECOMMENDED BY LEMO

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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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