

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 4 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 0M |
| Termination type | Male crimp |
| IP rating | 68 |
| AWG wire size | 32.00 - 28.00 |
| Cable Ø | 4.00 - 8.00 mm |
| Status | active |
| Matching parts | EDN.0M.304.XLP |

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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 |
| 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 | 6.04 g |

Performance

| | |
|---------------|------------------------|
| Configuration | 0M.304 : 4 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 7 Amps |

Specifications

Contact Type: Crimp
Test voltage (kV rms) Contact-contact: 1.35
Test voltage (kV rms) Contact-shell: 0.9

Others

Endurance (Shell): 3000 mating cycles
Temp (min / max): -20°C / +200°C

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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]

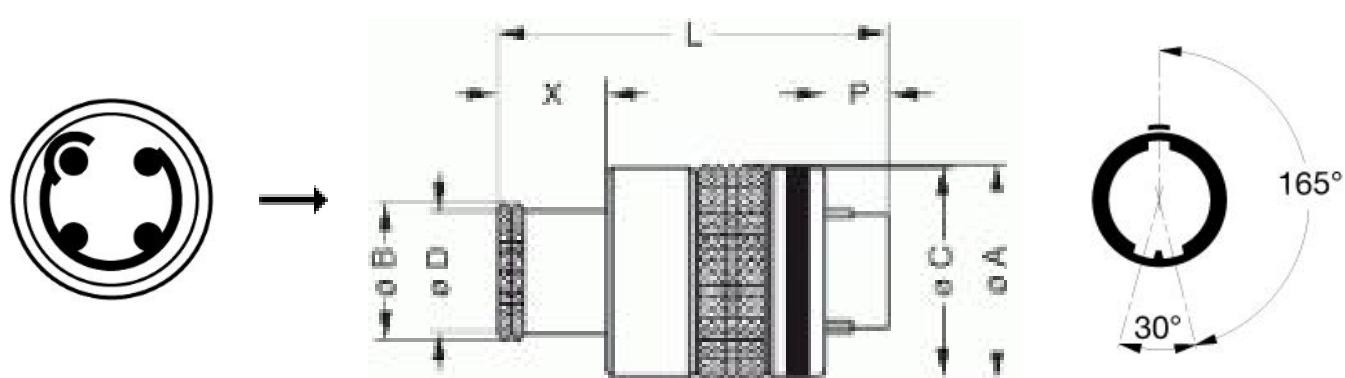
Lightning strike EIA 364-75: 10K amps - 6 times

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 | Lr | Ls | P | X |
|-----|------|------|------|------|------|------|------|------|
| mm. | 13.1 | 8.8 | 12.7 | 8 | 24.1 | 24.1 | 3.9 | 6.7 |
| in. | 0,52 | 0,35 | 0,50 | 0,31 | 0,95 | 0,95 | 0,15 | 0,26 |

RECOMMENDED BY LEMO

Tools

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

Crimp settings: AWG/Selector = 28-30-32/4-3-3

Positionner: [DCE.91.070.5MVC](#)

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Extractor: [DCF.93.070.4LT](#)

Replacement contact: FGN.0M.556.ZZC

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