

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 8 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 2M |
| Termination type | Female crimp |
| IP rating | 68 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 6.50 - 13.00 mm |
| Status | active |
| Matching parts | FMN.2M.308.XLC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PM*: Free receptacle 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 | 11.29 g |

Performance

| | |
|---------------|------------------------|
| Configuration | 2M.308 : 8 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 10 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 mm ² (AWG 24) |
| Max. Conductor: | 0.5 mm ² (AWG 20) |
| R (max): | 4.8 mOhm |
| Test voltage (kV rms) | Contact-contact: 1.95 |

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Test voltage (kV rms) Contact-shell: 1.1

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]

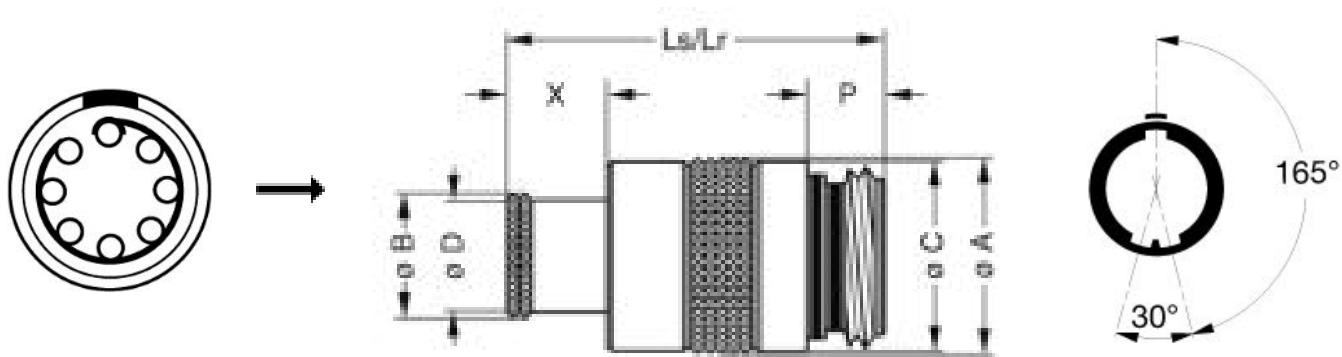
Lighting strike EIA 364-75: 10K amps - 6 times

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 | Lr | Ls | P | X |
|-----|------|------|------|------|------|------|------|------|
| mm. | 17.6 | 14 | 17.2 | 13 | 26 | 26 | 5.3 | 7.1 |
| in. | 0,69 | 0,55 | 0,68 | 0,51 | 1,02 | 1,02 | 0,21 | 0,28 |

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Tools

| | |
|----------------------|--|
| Crimp Tool: | <u>DPC.91.701.V</u> |
| Crimp settings: | AWG/Selector = 20-22-24/6-5-5 |
| Positionner: | <u>DCE.91.090.3MVM</u> |
| Extractor: | <u>DCF.93.090.4LT</u> |
| Replacement contact: | EGN.0M.660.ZZM |

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