

SUMMARY

Wires

| | |
|-------------|----|
| Low voltage | 19 |
|-------------|----|



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 2M |
| Termination type | Female crimp |
| IP rating | 68 |
| AWG wire size | 26.00 - 22.00 |
| Cable Ø | 6.50 - 13.00 mm |
| Status | active |
| Matching parts | EGS.2M.319.XLC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug with arctic grip and MIL spec backend |
| Keying | 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts) |
| Housing Material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Weight | 12.37 g |

Performance

| | |
|---------------|-------------------------|
| Configuration | 2M.319 : 19 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 4 Amps |

Specifications

| | |
|-----------------------|-------------------------------|
| Contact Type: | Crimp |
| Contact Retention: | 22 N |
| Contact Dia.: | 0.7 mm (0.028in) |
| Bucket Dia.: | 0.8 mm (0.031in) |
| Min. Conductor: | 0.14 mm ² (AWG 26) |
| Max. Conductor: | 0.34 mm ² (AWG 22) |
| R (max): | 6.1 mOhm |
| Test voltage (kV rms) | Contact-contact: 1.2 |

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Test voltage (kV rms) Contact-shell: 0.95

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]

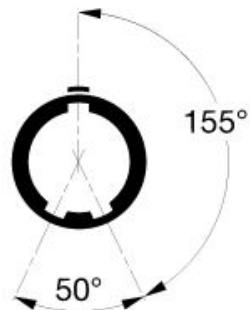
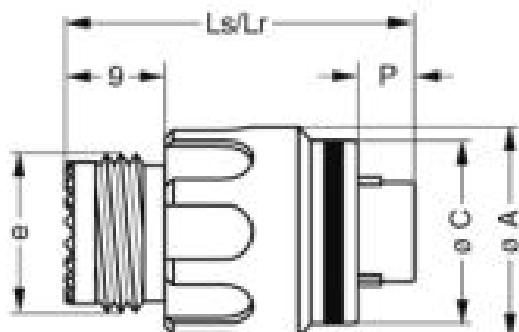
Lighting strike EIA 364-75: 10K amps - 6 times

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 | C | Lr | Ls | P | e |
|-----|------|------|------|------|------|---------|
| mm. | 18.9 | 17.2 | 26.4 | 26.4 | 3.9 | M15x1.0 |
| in. | 0,74 | 0,68 | 1,04 | 1,04 | 0,15 | |

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Tools

| | |
|----------------------|----------------------------------------|
| Crimp Tool: | <u>DPC.91.701.V</u> |
| Crimp settings: | AWG/Selector = 22-24-26/6-5-5 |
| Positionner: | <u>DCE.91.070.3MVM</u> |
| Extractor: | <u>DCF.93.070.4LT</u> |
| Replacement contact: | EGN.0M.655.ZZM |

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