

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 | FMU.2M.319.XLC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| Keying | 3 keys (beta=130, gamma=100, 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 | 9.02 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 mm² (AWG 26)
Max. Conductor: 0.34 mm² (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

| | C | D | E | Ls | Ls | P | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 17.2 | 6.8 | 4.5 | 18.3 | 18.3 | 5.3 | 12.5 | 17 | M14x1.0 |
| in. | 0,68 | 0,27 | 0,18 | 0,72 | 0,72 | 0,21 | 0,49 | 0,67 | |

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Tools

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

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