

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 2 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 0M |
| Termination type | Female crimp |
| IP rating | 68 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 4.00 - 8.00 mm |
| Status | active |
| Matching parts | FMN.0M.302.XLC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| 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 | 4.55 g |

Performance

| | |
|---------------|------------------------|
| Configuration | 0M.302 : 2 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: 1.45 |

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Test voltage (kV rms) Contact-shell: 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

| | C | D | E | Ls | Ls | P | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|--------|
| mm. | 12.7 | 6.8 | 5 | 18.3 | 18.3 | 5.3 | 8.2 | 11 | M9x0.6 |
| in. | 0,50 | 0,27 | 0,20 | 0,72 | 0,72 | 0,21 | 0,32 | 0,43 | |

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Tools

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

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