

SUMMARY

Wires

Low voltage 19



Image is for illustrative purpose only

| | |
|------------------|-----------------|
| Series | 2M |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 6.50 - 13.00 mm |
| Status | active |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | HE*: Fixed receptacle, nut fixing for printed circuit, watertight |
| 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 |
| Variant | P : Watertight |
| Weight | 21.38 g |

Performance

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

Specifications

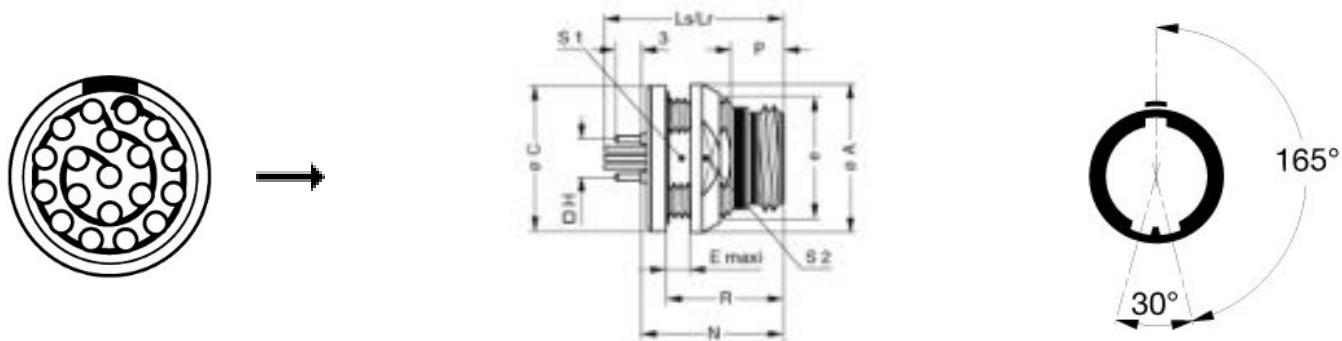
| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.7 mm (0.028in) |
| Bucket Dia.: | 0.8 mm (0.031in) |
| Max. Solid Conductor: | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor: | 0.34 mm ² (AWG 22) |
| R (max): | 6.1 mOhm |

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Others

Endurance (Shell): 3000 mating cycles
Temp (min / max): -20°C / +80°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]
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 | C | E | H | Lr | Ls | N | P | R | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|------|------|------|----------|
| mm. | 21 | 20.8 | 5 | 8.89 | 21 | 20.8 | 16.8 | 5.3 | 13.8 | 15.5 | 18 | M17x1.00 |
| in. | 0,83 | 0,82 | 0,20 | 0,35 | 0,83 | 0,82 | 0,66 | 0,21 | 0,54 | 0,61 | 0,71 | |

RECOMMENDED BY LEMO

Tools

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Spanner wrench:

[DCM.65.000.4PA](#)

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