

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 0M                             |
| Termination type | Female crimp                   |
| IP rating        | 68                             |
| AWG wire size    | 26.00 - 22.00                  |
| Cable Ø          | 4.00 - 8.00 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">FMN.0M.305.XLC</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Shell Style/Model | PH*: Free receptacle with arctic 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            | 7.88 g                                                                                                  |

### Performance

|               |                        |
|---------------|------------------------|
| Configuration | 0M.305 : 5 Low Voltage |
| Insulator     | L: PEEK                |
| Rated Current | 6.5 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 <sup>2</sup> (AWG 26) |
| Max. Conductor: 0.34 mm <sup>2</sup> (AWG 22) |
| R (max): 6.1 mOhm                             |
| Test voltage (kV rms) Contact-contact: 1.25   |

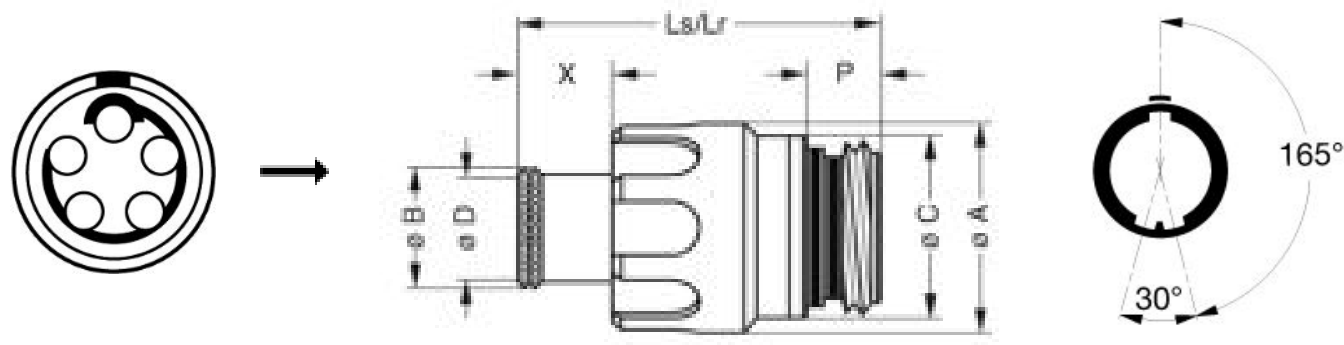
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Test voltage (kV rms) Contact-shell: 1

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

|     | A    | B    | C    | D    | Lr   | Ls   | P    | X    |
|-----|------|------|------|------|------|------|------|------|
| mm. | 14.4 | 8.8  | 12.7 | 8    | 25.6 | 25.6 | 5.3  | 6.7  |
| in. | 0,57 | 0,35 | 0,50 | 0,31 | 1,01 | 1,01 | 0,21 | 0,26 |

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## Tools

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

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