

## SUMMARY

### # Wires

Low voltage 30



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 3M                             |
| Termination type | Male crimp                     |
| IP rating        | 68 mated (mating interface)    |
| AWG wire size    | 26.00 - 22.00                  |
| Cable Ø          | 7.50 - 15.00 mm                |
| Status           | Active                         |
| Matching parts   | <a href="#">EGN.3M.330.XLM</a> |

### Download

[Request a quote](#)

[Catalog](#)

[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug with arctic grip and MIL spec backend                                                |
| 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            | 16.33 g                                                                                                 |

### Performance

|               |                         |
|---------------|-------------------------|
| Configuration | 3M.330 : 30 Low Voltage |
| Insulator     | L: PEEK                 |
| Rated Current | 3.5 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: 1.10   |

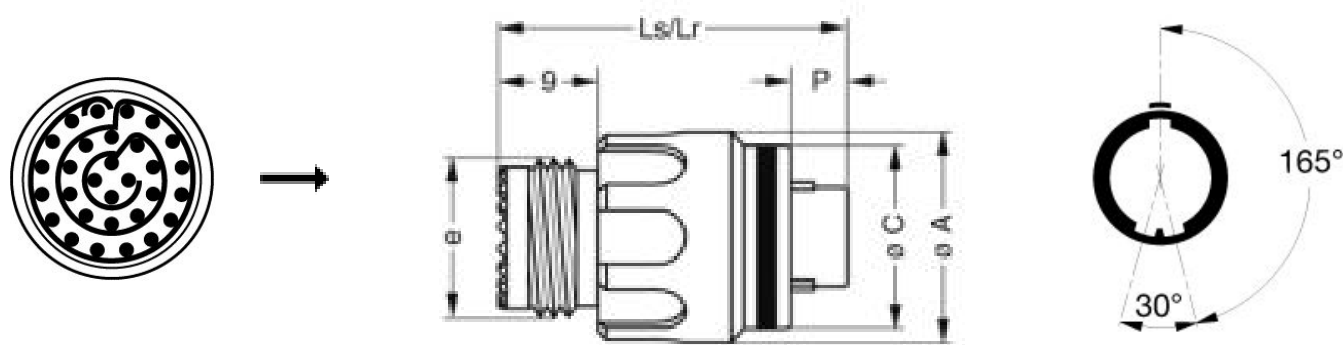
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Test voltage (kV rms) Contact-shell: 1.00

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. | 20.9 | 19.2 | 26.4 | 26.4 | 3.9  | M18x1.0 |
| in. | 0,82 | 0,76 | 1,04 | 1,04 | 0,15 |         |

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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.91.070.5MVC</a> |
| Extractor:           | <a href="#">DCF.93.070.4LT</a>  |
| Replacement contact: | FGN.0M.555.ZZC                  |

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