

## 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="#">PMN.3M.330.XLMT</a> |

### Download

[Request a quote](#)

[Catalog](#)

[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FM*: Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip and mold stop         |
| 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            | 15.01 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                      |

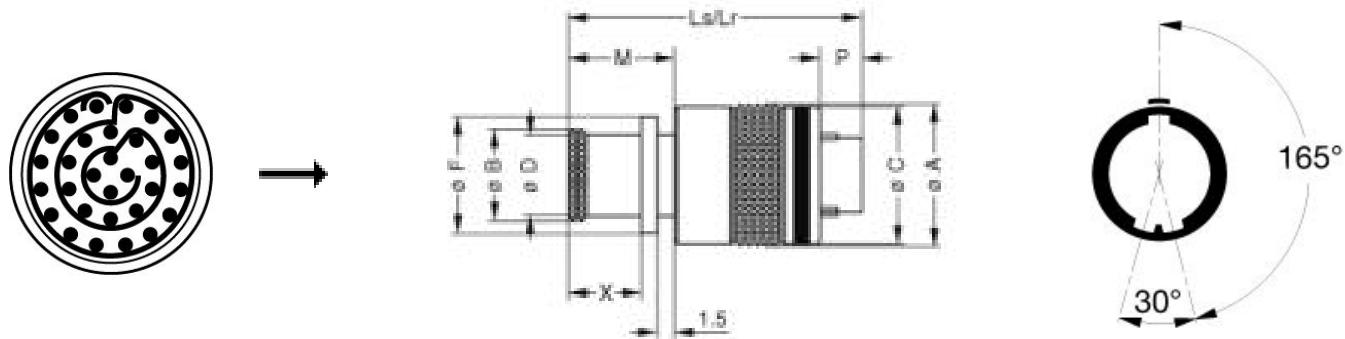
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Test voltage (kV rms) Contact-contact: 1.10  
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    | B    | C    | D    | F    | Lr   | Ls   | M    | P    | X    |
|-----|------|------|------|------|------|------|------|------|------|------|
| mm. | 19.6 | 16   | 19.2 | 15   | 17.5 | 27.5 | 27.5 | 10.1 | 3.9  | 7.1  |
| in. | 0,77 | 0,63 | 0,76 | 0,59 | 0,69 | 1,08 | 1,08 | 0,40 | 0,15 | 0,28 |

## RECOMMENDED BY LEMO

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Tools

|                      |  |
|----------------------|--|
| Crimp Tool:          | <a href="#"><u>DPC.91.701.V</u></a>    |
| Crimp settings:      | AWG/Selector = 22-24-26/6-5-5          |
| Positionner:         | <a href="#"><u>DCE.91.070.5MVC</u></a> |
| Extractor:           | <a href="#"><u>DCF.93.070.4LT</u></a>  |
| Replacement contact: | FGN.0M.555.ZZC                         |

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*