

## SUMMARY

### # Wires

Low voltage 12



*Image is for illustrative purpose only*

Series 2F  
Termination type Male crimp  
IP rating 67  
AWG wire size 26.00 - 22.00  
Cable Ø 5.30 - 14.00 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug  
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)  
Housing Material Brass (chrome plated [SAE AMS 2460]) shell and nut, other pieces brass  
Weight 16.80 g

### Performance

Configuration 2F.312 : 12 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 7 Amps

### Specifications

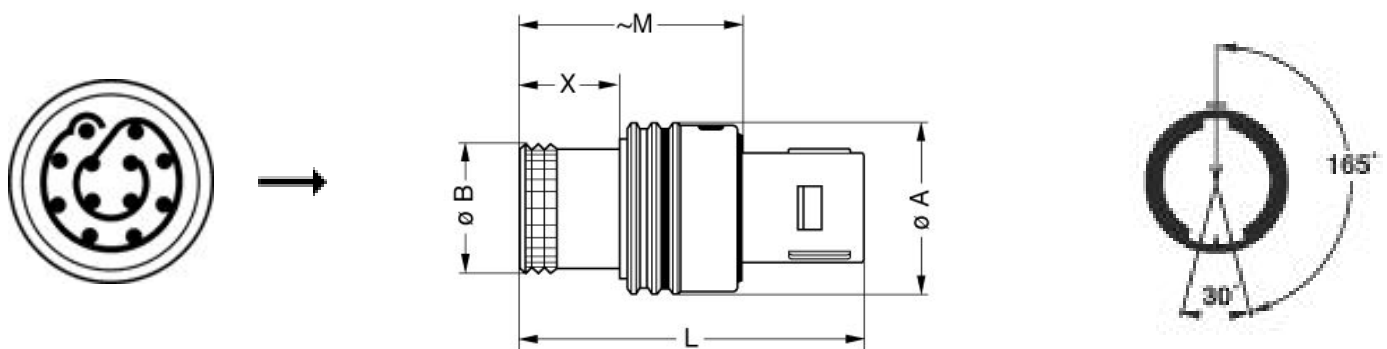
Contact Type: Crimp  
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 2000 V (AC), 2850 V (DC)  
Vtest (contact-contact): 1650 V (AC), 2350 V (DC)

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## Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -55 °C / +200 °C  
Humidity (max): <=95% [at 60 deg C / 140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Climatical Category: 50/175/21 (Aluminium shell)  
Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

|     | A    | B    | L    | M    | X    |
|-----|------|------|------|------|------|
| mm. | 17   | 14   | 27.8 | 17.9 | 8    |
| in. | 0,67 | 0,55 | 1,09 | 0,70 | 0,31 |

## RECOMMENDED BY LEMO

### Tools











Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 22-24-26/6-5-5  
Positionner: [DCE.91.070.BVC](#)

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Extractor: [DCF.93.070.4LT](#)

Replacement contact: FGG.0B.555.ZZC

## Cables

|                    |               |       |  |
|--------------------|---------------|-------|--|
| CMN.12.T22.070QGZE | TPR (medical) | Grey  |   |
| CMN.12.T28.054PGZE |               | Grey  |   |
| CMN.12.T28.054PNZE |               |       |   |
| 112240             | PTFE          | White |   |
| 112260             | PTFE          | White |   |
| 112280             | PVC           | Black |   |
| 124080             | PVC           | Grey  |  |
| 124084             | PVC           | Black |  |
| 212220             | PVC           | Black |   |
| 212240             | PVC           | Black |   |
| 212250             | PVC           | Grey  |   |
| 212260             | PVC           | Black |  |

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