

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 2F  
Termination type Male crimp  
IP rating 67  
AWG wire size 24.00 - 20.00  
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 Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces beryllium copper  
Weight 12.27 g

### Performance

Configuration 2F.310 : 10 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 8 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 2100 V (AC), 2970 V (DC)

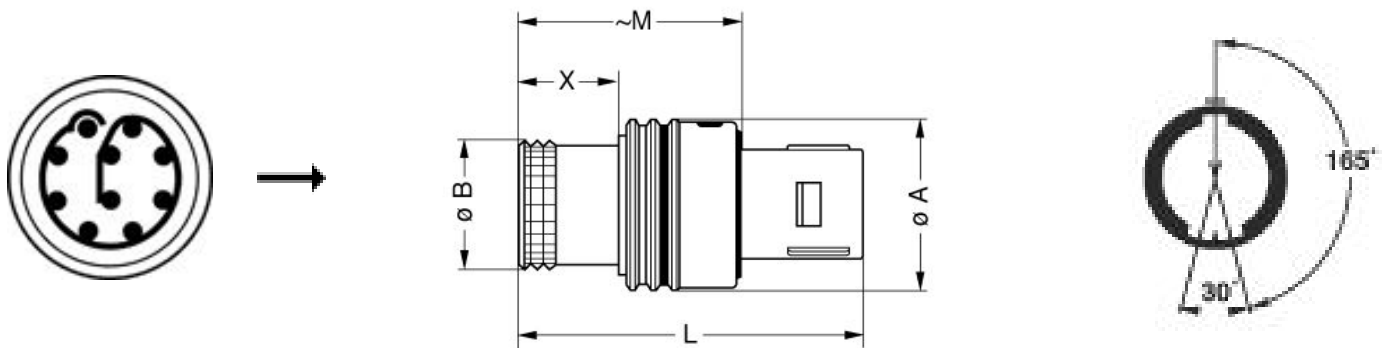
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## Others

Endurance (Shell): 500 mating cycles  
Temp (min / max): -15°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: 15/200/21 (Aluminium shell)

## 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 = 20-22-24/6-5-5

Positionner: [DCE.91.090.BVC](#)

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Extractor: [DCF.93.090.4LT](#)  
 Replacement contact: FGG.0B.560.ZZC

## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.10.T20.080PGZE |               | Grey  |    |
| CMN.10.T20.080PNZE |               |       |    |
| CMN.10.T20.080QGC  | TPR           | Grey  |   |
| CMN.10.T22.068QGZE | TPR (medical) | Grey  |    |
| CMN.10.T28.053QGZE | TPR (medical) | Grey  |    |
| 110220             | PVC           | Black |    |
| 110240             | PTFE          | White |    |
| 110280             | PVC           | Black |    |
| 210140             | PVC           | Grey  |    |
| 210240             | PVC           | Black |    |
| 210250             | PVC           | Grey  |   |
| 210260             | PVC           | Black |  |

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