

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 2F  
Termination type Female crimp  
IP rating 67  
AWG wire size 24.00 - 20.00  
Cable Ø 5.30 - 14.00 mm  
Status active  
Matching parts [FGN.2F.310.XLC](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PB\*: Straight receptacle with flange, 2 holes fixing  
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 12.04 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)

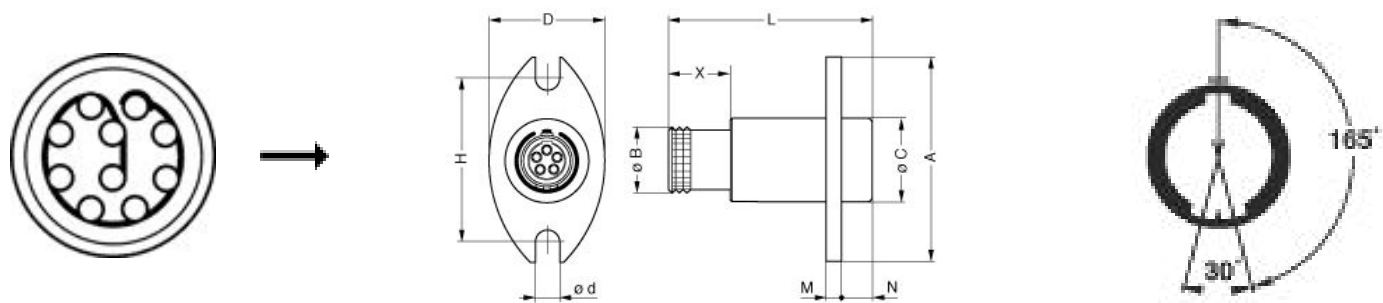
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

Others

- Endurance (Shell): 1000 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)
- Salt Spray Corrosion: max. 48 hr

DRAWINGS



Dimensions

|     | A    | B    | C    | D    | H    | L    | M    | N    | X    | d    |
|-----|------|------|------|------|------|------|------|------|------|------|
| mm. | 31   | 14   | 16   | 18   | 25.9 | 26.7 | 2    | 4    | 8    | 3.2  |
| in. | 1,22 | 0,55 | 0,63 | 0,71 | 1,02 | 1,05 | 0,08 | 0,16 | 0,31 | 0,13 |

RECOMMENDED BY LEMO

Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 20-22-24/6-5-5

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

Extractor: [DCF.93.090.4LT](#)

Replacement contact: EGG.0B.660.ZZM

## 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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