

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 2F

Termination type

IP rating 68

AWG wire size 30.00 - 22.00

Cable Ø 5.30 - 14.00 mm

Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model HE\*: Fixed receptacle, nut fixing, for printed circuit (back panel mounting)

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

Variant P : Watertight

Weight 8.99 g

### Performance

Configuration 2F.310 : 10 Low Voltage

Insulator L: PEEK (UL 94 / V-0/1.5)

Rated Current 8 Amps

### Specifications

Contact Type: Solder

Contact Dia.: 0.9 mm (0.035in)

Bucket Dia.: 0.8 mm (0.031in)

Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)

Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)

R (max): 4.8 mOhm

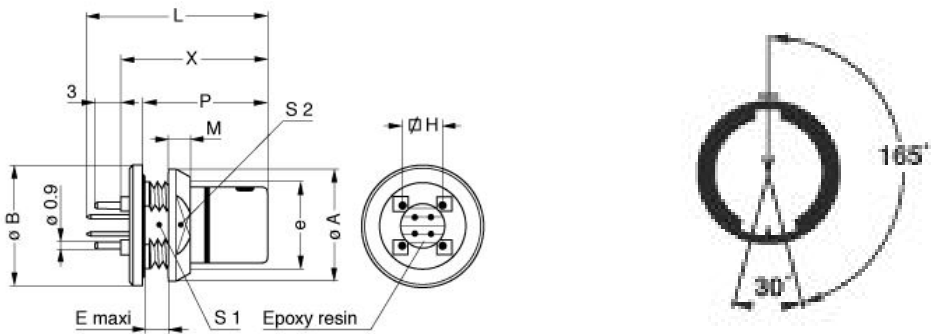
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Vtest (contact-shell): 2100 V (AC), 2970 V (DC)  
Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

Others

Endurance (Shell): 1000 mating cycles  
Temp (min / max): -15°C / +100°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  
Pressure: 5 bars

DRAWINGS



Dimensions













|     | A    | B    | E    | H    | L    | M    | P    | S1   | S2   | X    | e       |
|-----|------|------|------|------|------|------|------|------|------|------|---------|
| mm. | 20   | 20   | 3    | 8.89 | 21.5 | 4    | 14.5 | 14.5 | 17   | 17.5 | M16x1.0 |
| in. | 0,79 | 0,79 | 0,12 | 0,35 | 0,85 | 0,16 | 0,57 | 0,57 | 0,67 | 0,69 |         |

RECOMMENDED BY LEMO

Tools

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## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.10.T22.068QGZE | TPR (medical) | Grey  |  |
| CMN.10.T28.052PGZE |               | Grey  |  |
| CMN.10.T28.052PNZE |               |       |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey  |  |
| 110220             | PVC           | Black |  |
| 110240             | PTFE          | White |  |
| 110260             | PTFE          | White |  |
| 110280             | PVC           | Black |  |
| 210140             | PVC           | Grey  |  |
| 210240             | PVC           | Black |  |
| 210250             | PVC           | Grey  |  |
| 210260             | PVC           | Black |  |

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