

## SUMMARY

### # Wires

|             |    |
|-------------|----|
| Low voltage | 10 |
|-------------|----|



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 3B                                |
| Termination type | Female solder                     |
| IP rating        | 68                                |
| AWG wire size    | 28.00 - 20.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.3B.310.CLAD12</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | HG*: Fixed receptacle, nut fixing, watertight or vacuum-tight   |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Housing Material  | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Variant           | PV : Watertight / Vacuum-tested   |
| Weight            | 36.57 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 3B.310 : 10 Low Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 12 Amps                   |

### Specifications

|                          |                              |
|--------------------------|------------------------------|
| Contact Type:            | Solder                       |
| Contact Dia.:            | 1.3 mm (0.051in)             |
| Bucket Dia.:             | 1 mm (0.039in)               |
| Max. Solid Conductor:    | 0.5 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor: | 0.5 mm <sup>2</sup> (AWG 20) |
| R (max):                 | 3.6 mOhm                     |

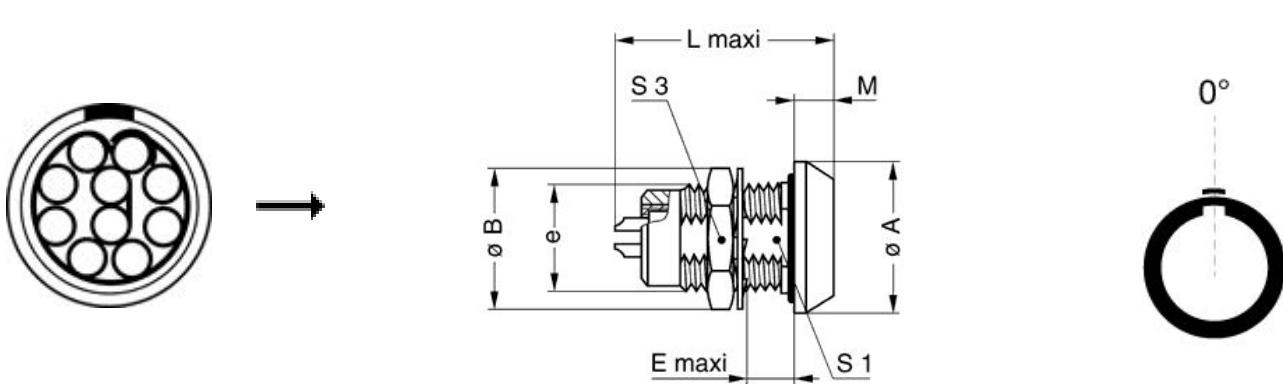
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Vtest (contact-shell): 900 V (AC), 1270 V (DC)  
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

## Others

Endurance (Shell): 5000  
Temp (min / max): -20 °C / +80 °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: 20/80/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
R leak (He) (max): 0.0000001 mbar\*l/s (if vacuum-tested)  
Salt Spray Corrosion: >1000 hr  
Pressure: 30 bars

## DRAWINGS



## Dimensions

|     | A    | B    | E    | L    | M    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 25   | 25   | 11.5 | 36.1 | 4    | 16.5 | 22   | M18x1.0 |
| in. | 0,98 | 0,98 | 0,45 | 1,42 | 0,16 | 0,65 | 0,87 |         |

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## Tools

## 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.T28.052PGZE |               | 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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