

## SUMMARY

### # Wires

Low voltage 16



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 2W                                |
| Termination type | Female solder                     |
| IP rating        | 68                                |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FVG.2W.316.CLAC75</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EV*: Fixed socket, nut fixing                                                                                                 |
| 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 |
| Weight            | 25.18 g                                                                                                                       |

### Performance

|               |                         |
|---------------|-------------------------|
| Configuration | 2W.316 : 16 Low Voltage |
| Insulator     |                         |
| Rated Current | 6 Amps                  |

### Specifications

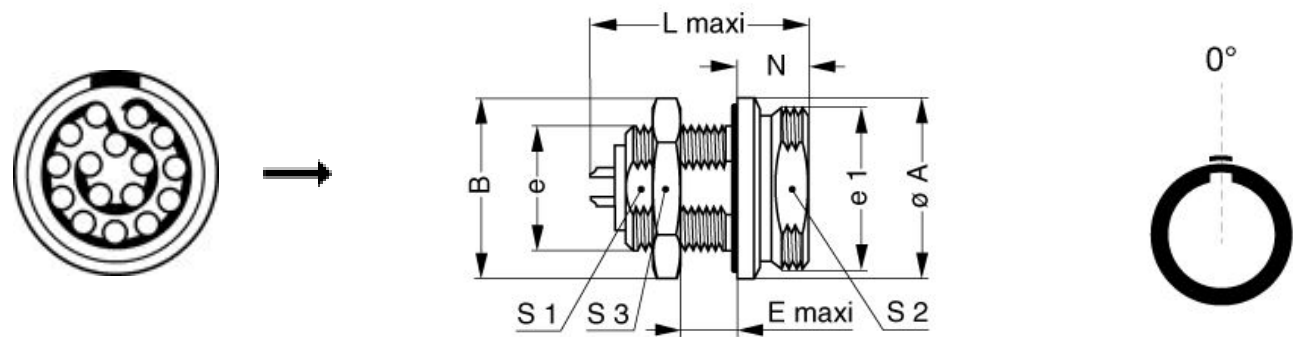
Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-contact): 950 V (AC) 1300 V (DC)  
Vtest (contact-shell): 1250 V (AC) 1800 V (DC)

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Others

- Endurance (Shell): 1000 mating cycles
- Temp (min / max): -20°C / +200°C
- Humidity (max): <=95% [at 60 deg C / 140 F]
- Climatical Category: 20/200/21
- Shielding (min): 95 dB (10 MHz)
- Shielding (min): 80 dB (1 GHz)
- Salt Spray Corrosion: >1000 hr
- Pressure: 30 bars

DRAWINGS



Dimensions

|     | A    | B    | E    | L    | N    | S1   | S2   | S3   | e       | e1      |
|-----|------|------|------|------|------|------|------|------|---------|---------|
| mm. | 22.5 | 21.8 | 9    | 30.7 | 9    | 14.5 | 18.5 | 19   | M16x1.0 | M20x1.0 |
| in. | 0,89 | 0,86 | 0,35 | 1,21 | 0,35 | 0,57 | 0,73 | 0,75 |         |         |

RECOMMENDED BY LEMO

Tools

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## Cables

|                    |               |       |                                                                                     |
|--------------------|---------------|-------|-------------------------------------------------------------------------------------|
| CMN.16.T22.076QGZE | TPR (medical) | Grey  |  |
| CMN.16.T28.059PGZE |               | Grey  |  |
| CMN.16.T28.059PNZE |               |       |  |
| CMN.16.T28.070NNZZ |               |       |                                                                                     |
| CMN.16.T30.047QGZE | TPR (medical) | Grey  |  |
| 116080             | PUR           | Black |                                                                                     |
| 116280             | PVC           | Black |  |
| 16050              | PVC           | Black |  |
| 216220             | PVC           | Black |  |
| 216240             | PVC           | Black |  |
| 216260             | PVC           | Black |  |
| 316250             | PVC           | Grey  |  |

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