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# FVG.1W.305.CLAC65

## SUMMARY

### # Wires

| | |
|---|---|
| **Low voltage** | **5** |

*Image is for illustrative purpose only*

| | |
|---|---|
| **Series** | 1W |
| **Termination type** | Male solder |
| **IP rating** | 68 mated (mating interface) |
| **AWG wire size** | 30.00 - 22.00 |
| **Cable Ø** | 6.10 - 6.50 mm |
| **Status** | Active |
| **Matching parts** | EVG.1W.305.CLL |

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## TECHNICAL DETAILS

### Mechanics

| | |
|---|---|
| **Shell Style/Model** | FV*: Straight plug, cable collet |
| **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** | 30.13 g |

### Performance

| | |
|---|---|
| **Configuration** | 1W.305 : 5 Low Voltage |
| **Insulator** | |
| **Rated Current** | 9 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^2 (AWG 22)
Max. Stranded Conductor: 0.34 mm^2 (AWG 22)
R (max): 4.8 mOhm
Vtest (contact-contact): 1250 V (AC) 1800 V (DC)
Vtest (contact-shell): 1150 V (AC) 1600 V (DC)

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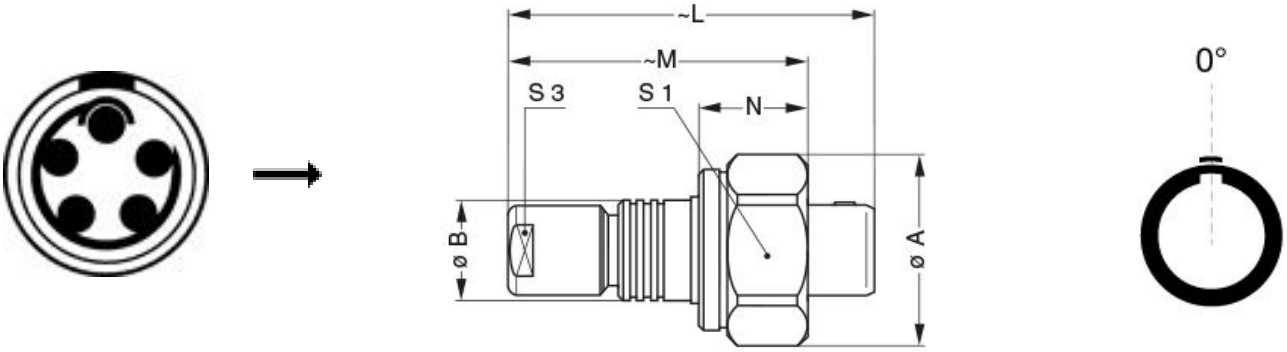
### Others

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 | L | M | N | S1 | S3 |
|---|---|---|---|---|---|---|---|
| mm. | 19.3 | 11.0 | 43.7 | 35.5 | 14.0 | 18 | 9 |
| in. | 0,76 | 0,43 | 1,72 | 1,40 | 0,55 | 0,71 | 0,35 |

## RECOMMENDED BY LEMO

### Tools

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