

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | OK                                |
| Termination type | Male solder                       |
| IP rating        | 68 when mated                     |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 4.60 - 5.00 mm                    |
| Status           | active                            |
| Alternative part | <a href="#">FGG.0K.305.CLAK50</a> |
| Matching parts   | <a href="#">EGG.0K.305.CLL</a>    |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: 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            | 11.79 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | OK.305 : 5 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 6.5 Amps                  |

### Specifications

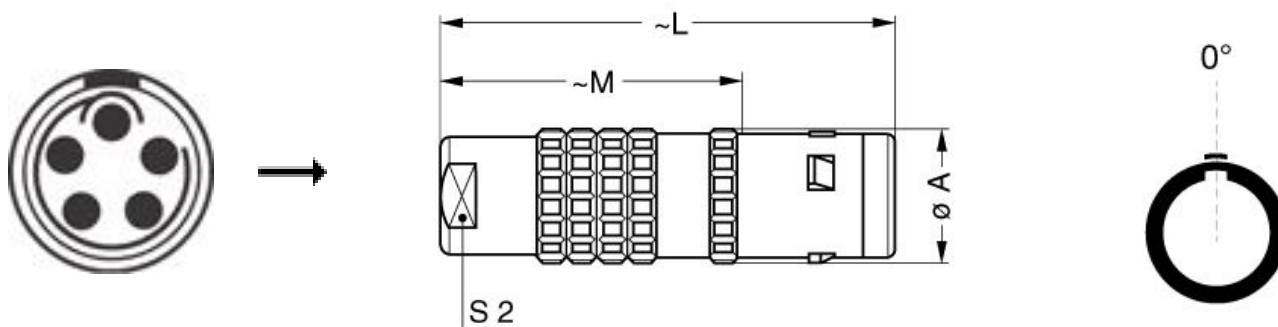
Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 700 V (AC), 990 V (DC)  
Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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## Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -55°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: 50/175/21  
Shielding (min): 95 dB (10 MHz)  
Shielding (min): 80 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

|     | A    | L    | M    | S2   |
|-----|------|------|------|------|
| mm. | 11   | 34   | 23   | 8    |
| in. | 0,43 | 1,34 | 0,91 | 0,31 |

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.0E.ZZZ.PA080](#)

Caps: [BFG.0K.100.NAS](#)

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## Cables

|       |     |      |   |
|-------|-----|------|---|
| 50140 | PVC | Grey |  |
|-------|-----|------|---|

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