

## SUMMARY

### # Wires

|             |   |
|-------------|---|
| Low voltage | 2 |
|-------------|---|



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 0B                             |
| Termination type | Male solder                    |
| IP rating        | 50                             |
| AWG wire size    | 28.00 - 20.00                  |
| Cable Ø          | 3.30 - 4.20 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">ECG.0B.302.KLL</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FP*: Elbow (90°) plug with cable collet   |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Housing Material  | Brass (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Weight            | 11.16 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0B.302 : 2 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps                   |

### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Contact Dia.:            | 0.9 mm (0.035in)              |
| Bucket Dia.:             | 1.0 mm (0.039in)              |
| Max. Solid Conductor:    | 0.56 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor: | 0.56 mm <sup>2</sup> (AWG 20) |
| R (max):                 | 4.8 mOhm                      |
| Vtest (contact-shell):   | 1050 V (AC), 1490 V (DC)      |
| Vtest (contact-contact): | 1000 V (AC), 1400 V (DC)      |

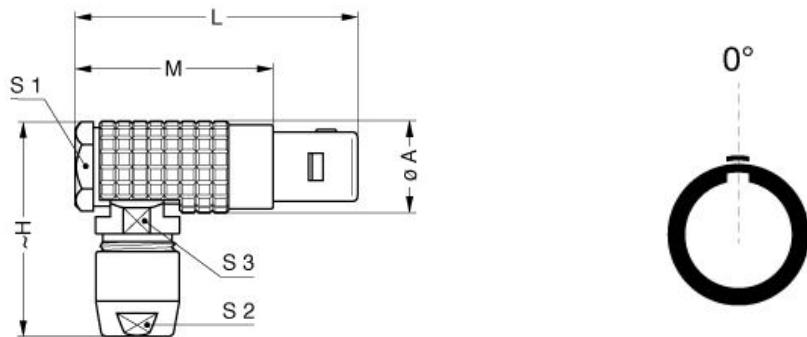
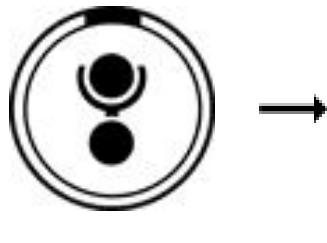
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## Others

Endurance (Shell): 5000  
Temp (min / max): -55°C / +250°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): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

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## DRAWINGS



## Dimensions

|     | A    | H    | L    | M    | S1   | S2   | S3   |
|-----|------|------|------|------|------|------|------|
| mm. | 9.5  | 23   | 30   | 20   | 8    | 7    | 8    |
| in. | 0,37 | 0,91 | 1,18 | 0,79 | 0,31 | 0,28 | 0,31 |

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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.0B.005.PA070](#)

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## Cables

|       |      |        |   |
|-------|------|--------|---|
| 20140 | PVC  | Grey   |   |
| 20140 | PVC  | Grey   |   |
| 20141 | PVC  | Grey   |  |
| 20142 | PVC  | Red    |   |
| 20143 | PVC  | Green  |   |
| 20144 | PVC  | Black  |   |
| 20145 | PVC  | Yellow |   |
| 20146 | PVC  | Black  |   |
| 20240 | PTFE | White  |  |
| 20260 | PVC  | Black  |  |
| 20264 | PVC  | Black  |   |
| 20266 | PVC  | Violet |   |
| 2080  | PVC  | Grey   |   |
| 2280  | PVC  | Black  |  |

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