

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series 0B  
Termination type Male crimp  
IP rating 50  
AWG wire size 24.00 - 20.00  
Cable Ø 4.30 - 5.20 mm  
Status active  
Matching parts [EGG.OB.302.CYM](#)  
[PHG.OB.302.CYMD52Z](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable collet and nut for fitting a bend relief  
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 Z : Nut for fitting a bend relief  
Weight 9.49 g

### Performance

Configuration 0B.302 : 2 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 10 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)

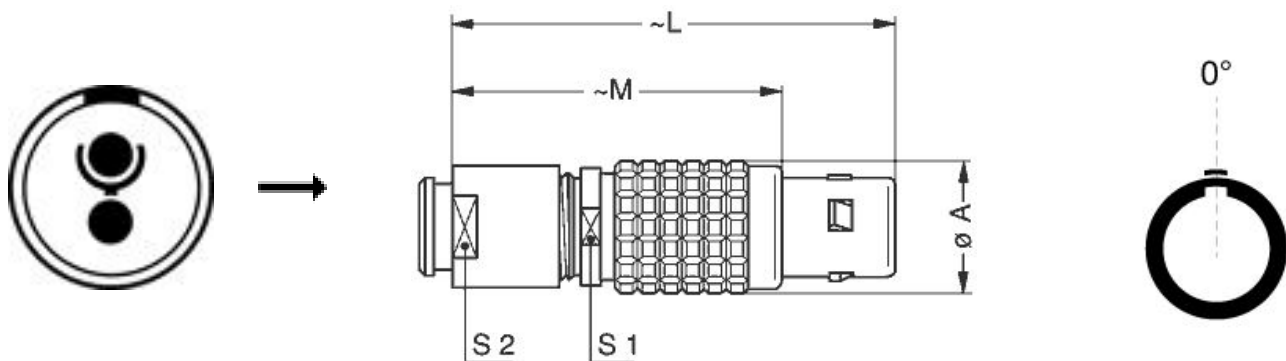
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R (max): 4.8 mOhm  
 Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
 Vtest(contact-contact): 1450 V (AC), 2100 V (DC)

## 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

## DRAWINGS



## Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 9.5  | 35   | 25   | 8    | 7    |
| in. | 0,37 | 1,38 | 0,98 | 0,31 | 0,28 |








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## Tools

|                      |                                  |
|----------------------|----------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.701.V</a>     |
| Crimp settings:      | AWG/Selector = 20-22-24/6-5-5    |
| Positionner:         | <a href="#">DCE.91.090.BVC</a>   |
| Extractor:           | <a href="#">DCF.91.090.2LT</a>   |
| Replacement contact: | FGG.0B.560.ZZC                   |
| Spanner wrench:      | <a href="#">DCD.0B.005.PA070</a> |
| Caps:                | <a href="#">BFG.0B.100.PCSG</a>  |

## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.02.T20.047PGZE |               | Grey  |  |
| CMN.02.T20.047PNZE |               |       |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey  |  |
| 120240             | PVC           | Black |  |
| 120250             | PVC           | Grey  |   |
| 120501             | PVC           | Grey  |   |
| 2221               | PVC           | Black |  |
| 4082               | PVC           | Grey  |   |

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