

SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

| | |
|------------------|----------------------------------------------------------------------|
| Series | 1B |
| Termination type | Male crimp |
| IP rating | 50 |
| AWG wire size | 26.00 - 22.00 |
| Cable Ø | 5.30 - 6.20 mm |
| Status | Active |
| Matching parts | EGG.1B.308.CYM PHG.1B.308.CYMD62Z |

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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 | 17.73 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 1B.308 : 8 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 5 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)

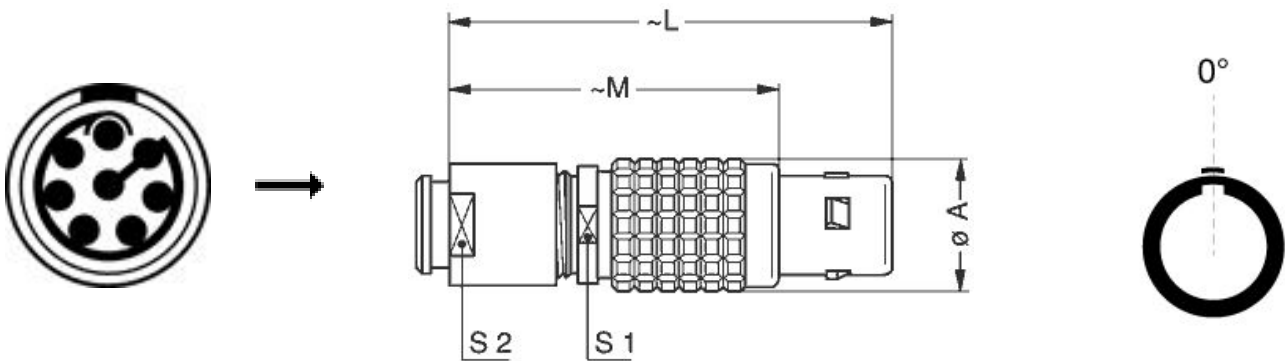
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R (max): 6.1 mOhm
Vtest (contact-shell): 1300 V (AC), 1840 V (DC)
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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. | 12 | 42 | 31 | 10 | 9 |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |






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Tools

| | |
|----------------------|----------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 22-24-26/6-5-5 |
| Positionner: | DCE.91.071.BVC |
| Extractor: | DCC.07.04B.LAG |
| Replacement contact: | FGG.1B.555.ZZC |
| Spanner wrench: | DCD.1B.ZZZ.PA090 |
| Caps: | BFG.1B.100.PCSG |

Cables

| | | | |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.08.T22.059QGC | TPR | Grey | |
| CMN.08.T22.059QGZE | TPR (medical) | Grey |  |
| 16080 | PVC | Grey | |
| 180240 | PVC | Black |  |
| 180260 | PVC | Black |  |
| 335991 | PVC | Black |  |
| 42265 | PVC | Yellow | |
| 80140 | PVC | Grey |  |

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