

SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 2B |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 5.30 - 6.20 mm |
| Status | active |
| Matching parts | EGJ.2B.308.CYC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief |
| Keying | 2 keys (alpha=37.5, plug: female contacts, receptacle: male 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 | 32.82 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 2B.308 : 8 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 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)

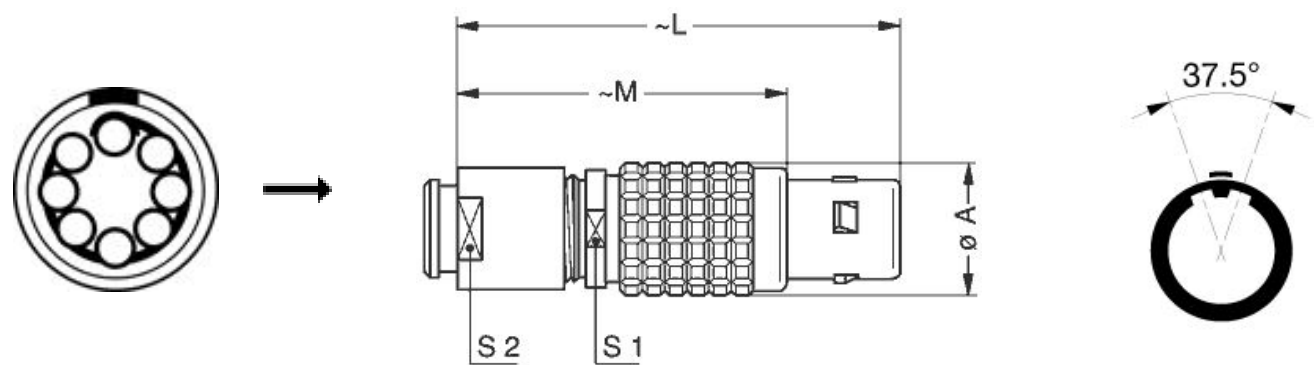
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R (max): 4.8 mOhm
Vtest (contact-shell): 1950 V (AC), 2800 V (DC)
Vtest (contact-contact): 1950 V (AC), 2750 V (DC)

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. | 15 | 49 | 37 | 13 | 12 |
| in. | 0,59 | 1,93 | 1,46 | 0,51 | 0,47 |






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Tools

| | |
|----------------------|----------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 20-22-24/6-5-5 |
| Positionner: | DCE.91.092.BVM |
| Extractor: | DCF.91.090.2LT |
| Replacement contact: | EGG.2B.660.ZZM |
| Spanner wrench: | DCD.2B.025.PA120 |

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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