

SUMMARY

Wires

Low voltage 8


Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 3B |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 20.00 - 18.00 |
| Cable Ø | 7.80 - 9.20 mm |
| Status | active |
| Alternative part | PHG.3B.308.CYMD92Z |
| Matching parts | FGG.3B.308.CYCD82Z |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, 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 | 59.27 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 3B.308 : 8 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 13 Amps |

Specifications

Contact Type: Crimp
 Contact Retention: 40 N
 Contact Dia.: 1.3 mm (0.051in)
 Bucket Dia.: 1.4 mm (0.055in)
 Min. Conductor: 0.5 mm² (AWG 20)
 Max. Conductor: 1 mm² (AWG 18)

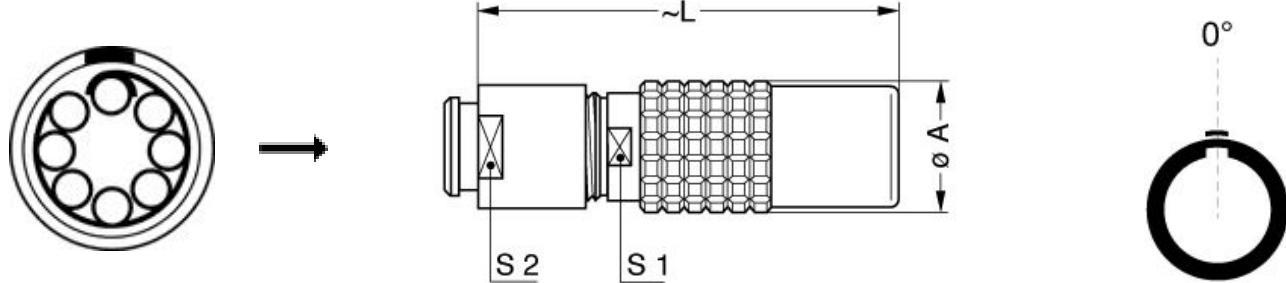
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R (max): 3.6 mOhm
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)
Vtest (contact-contact): 1850 V (AC), 2600 V (DC)

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 | S1 | S2 |
|-----|------|------|------|------|
| mm. | 19 | 54.5 | 15 | 15 |
| in. | 0,75 | 2,15 | 0,59 | 0,59 |

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Tools

| | |
|----------------------|---|
| Crimp Tool: | <u>DPC.91.701.V</u> |
| Crimp settings: | AWG/Selector = 18-20-22/5-4-3 |
| Positionner: | <u>DCE.91.133.BVM</u> |
| Extractor: | <u>DCF.91.133.5LT</u> |
| Replacement contact: | EGG.3B.665.ZZM |
| Spanner wrench: | <u>DCD.3B.040.PA150</u> |

Cables

| | | | |
|--------|-----|------|--|
| 380500 | PVC | Grey |  |
|--------|-----|------|--|

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