

SUMMARY

Wires

Low voltage 10



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.310.CYMD92Z |
| Matching parts | FGG.3B.310.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 | 61.35 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 3B.310 : 10 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 12 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)

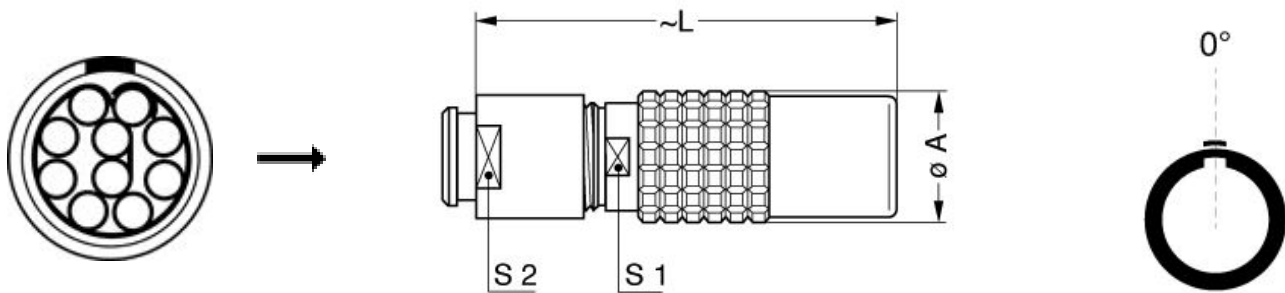
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R (max): 3.6 mOhm
 Vtest (contact-shell): 1800 V (AC), 2550 V (DC)
 Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

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

Cables

| | | | |
|--------------------|-----|------|---|
| CMN.10.T20.080PGZE | | Grey |  |
| CMN.10.T20.080PNZE | | |  |
| CMN.10.T20.080QGC | TPR | Grey | |

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