

SUMMARY

Wires

| | |
|-------------|----|
| Low voltage | 12 |
|-------------|----|



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 4B |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 20.00 - 18.00 |
| Cable Ø | 12.10 - 13.50 mm |
| Status | pre-release |
| Matching parts | EGJ.4B.312.CYC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FH*: Elbow plug, cable collet |
| 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 |

Performance

| | |
|---------------|----------------------------|
| Configuration | 4B.312 : 12 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 12 Amps |

Specifications

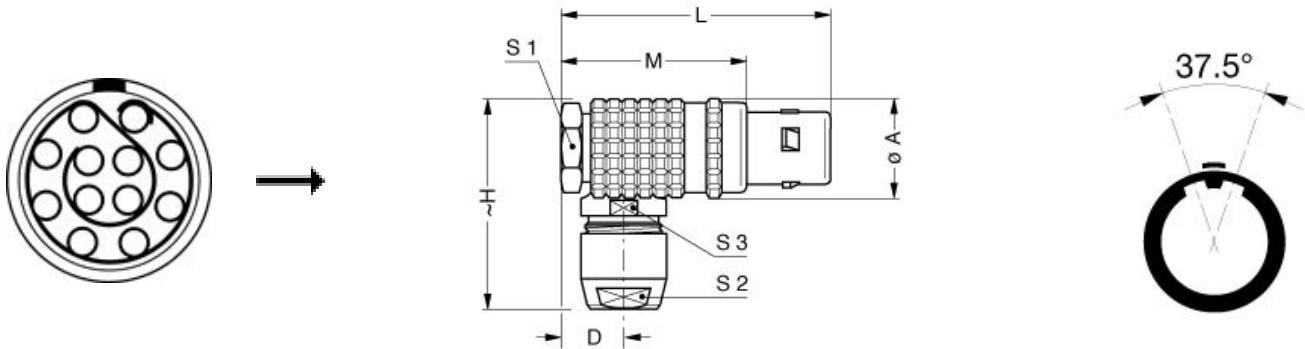
| | |
|--------------------------|------------------------------|
| Contact Type: | Crimp |
| Contact Retention: | 40 N |
| Contact Dia.: | 1.3 mm (0.051in) |
| Bucket Dia.: | 1.4 mm (0.055in) |
| Min. Conductor: | 0.5 mm ² (AWG 20) |
| Max. Conductor: | 1 mm ² (AWG 18) |
| R (max): | 3.6 mOhm |
| Vtest (contact-shell): | 1850 V (AC), 2600 V (DC) |
| Vtest (contact-contact): | 1900 V (AC), 2700 V (DC) |

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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 | D | H | L | M | S1 | S2 | S3 |
|-----|------|------|------|------|------|------|------|------|
| mm. | 26 | 15 | 52 | 67 | 49 | 22 | 20 | 21 |
| in. | 1,02 | 0,59 | 2,05 | 2,64 | 1,93 | 0,87 | 0,79 | 0,83 |

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 18-20/8-7

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Positionner: [DCE.91.134.BVM](#)

Extractor: [DCF.91.133.5LT](#)

Replacement contact: EGG.4B.665.ZZM

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