

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series 1B
Termination type Female crimp
IP rating 50
AWG wire size 20.00 - 18.00
Cable Ø 6.30 - 7.20 mm
Status pre-release

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PH*: Free receptacle, cable collet and nut for fitting a bend relief
Keying 2 keys (alpha=30, 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

Performance

Configuration 1B.303 : 3 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)
R (max): 3.6 mOhm
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)

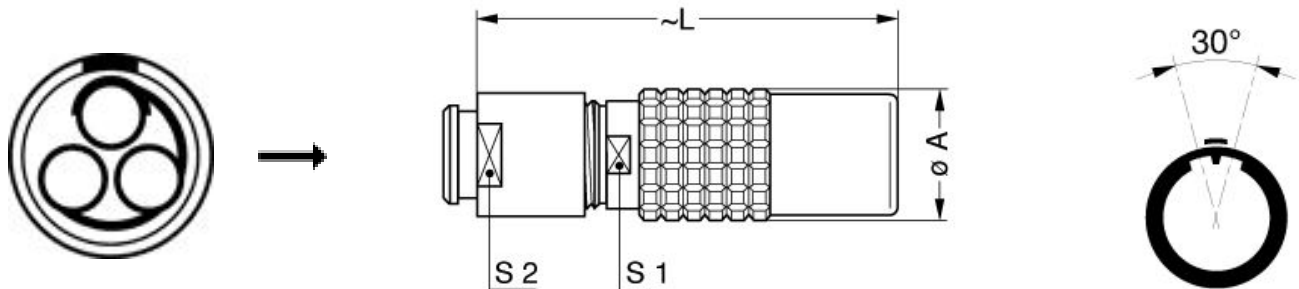
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Vtest (contact-contact): 1600 V (AC), 2250 V (DC)

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.	12.5	39.5	10	9
in.	0,49	1,56	0,39	0,35

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 18-20/8-7
Positionner: [DCE.91.131.BVM](#)
Extractor: [DCC.13.15B.LAG](#)
Replacement contact: EGG.1B.665.ZZM
Spanner wrench: [DCD.1B.015.PA090](#)

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