

SUMMARY

Wires

Low voltage 14



Image is for illustrative purpose only

Series 1B
Termination type Male crimp
IP rating 50
AWG wire size 32.00 - 28.00
Cable Ø 5.30 - 6.20 mm
Status active
Matching parts [EGG.1B.314.CLL](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FP*: Elbow (90°) plug with cable collet
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
Weight 21.55 g

Performance

Configuration 1B.314 : 14 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 2 Amps

Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 1600 V (AC), 2250 V (DC)

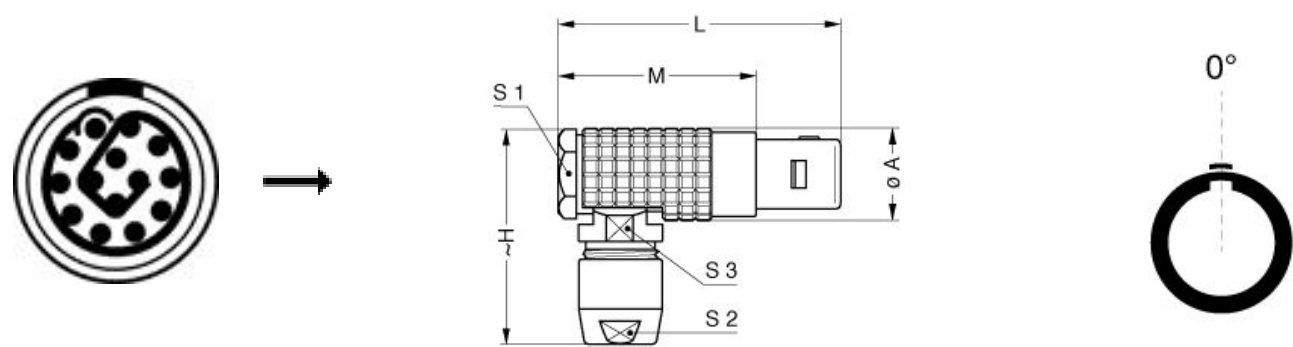
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Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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	H	L	M	S1	S2	S3
mm.	12	29	36	25	11	9	10
in.	0,47	1,14	1,42	0,98	0,43	0,35	0,39

RECOMMENDED BY LEMO

Tools

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

Crimp settings: AWG/Selector = 28-30-32/4-3-3

Positionner: [DCE.91.051.BVC](#)

Extractor: [DCF.91.050.2LT](#)

Replacement contact: FGG.1B.554.ZZC

Spanner wrench: [DCD.1B.015.PA090](#)

Cables

CMN.14.T28.056PGZE		Grey	
CMN.14.T28.056PNZE			
CMN.14.T28.056QGZE	TPR (medical)	Grey	

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