

SUMMARY

Wires

Low voltage 16



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.316.CYM](#)

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[See video assembly instructions](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug, 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 16.44 g

Performance

Configuration 1B.316 : 16 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 1.5 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)

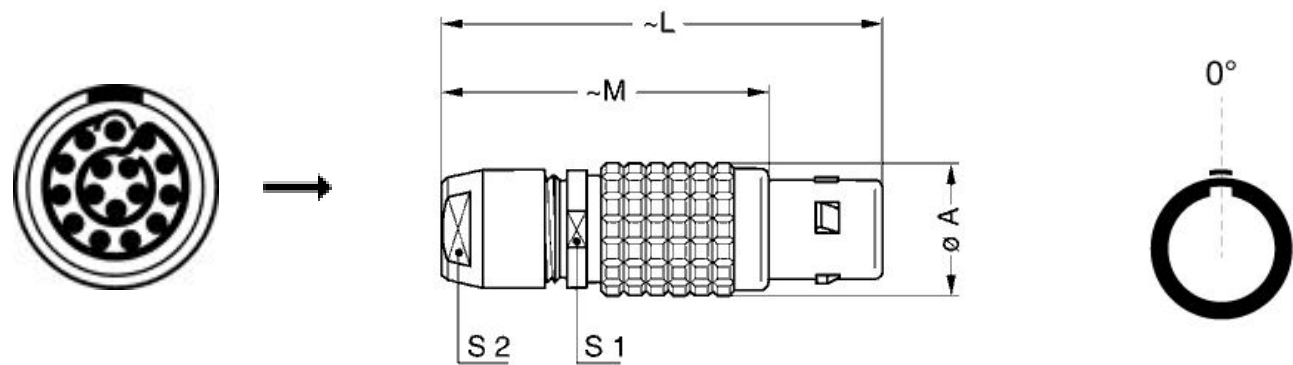
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Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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	L	M	S1	S2
mm.	12	43	32	10	9
in.	0,47	1,69	1,26	0,39	0,35

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](#)
Caps: [BFG.1B.100.PCSG](#)

Cables

CMN.16.T28.059PGZE		Grey	
CMN.16.T28.059PNZE			
116080	PUR	Black	

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