

SUMMARY

Wires

Low voltage 48



Image is for illustrative purpose only

Series 5B
Termination type Male crimp
IP rating 50
AWG wire size 20.00 - 18.00
Cable Ø 19.60 - 21.50 mm
Status active
Matching parts [EGG.5B.348.CYM](#)

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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 309.66 g

Performance

Configuration 5B.348 : 48 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 6 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): 1550 V (AC), 2200 V (DC)

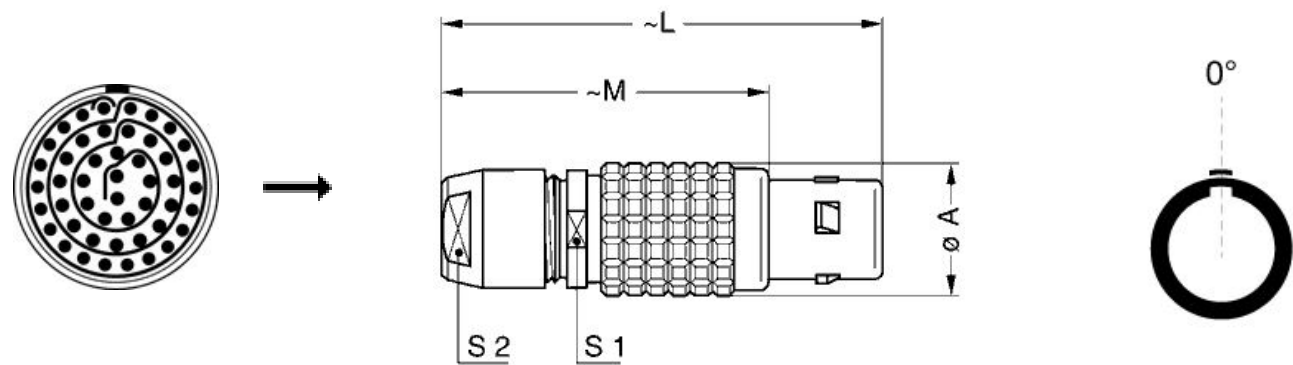
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Vtest (contact-contact): 2000 V (AC), 2850 V (DC)

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.	35	103	78	31	30
in.	1,38	4,06	3,07	1,22	1,18

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<u>DCE.91.135.BVC</u>
Extractor:	<u>DCF.91.133.5LT</u>
Replacement contact:	FGG.5B.565.ZZC
Caps:	<u>BFG.5B.100.NAS</u>

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