

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	3B
Termination type	Female solder
IP rating	50
AWG wire size	22.00 - 14.00
Cable Ø	9.30 - 10.00 mm
Status	active
Matching parts	FGG.3B.303.CLAD10Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle, cable collet and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief
Weight	56.79 g

Performance

Configuration	3B.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	25 Amps

Specifications

Contact Type: Solder
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 1.8 mm (0.071in)
Max. Solid Conductor: 1.5 mm² (AWG 14)
Max. Stranded Conductor: 1.5 mm² (AWG 16)
R (max): 3.3 mOhm

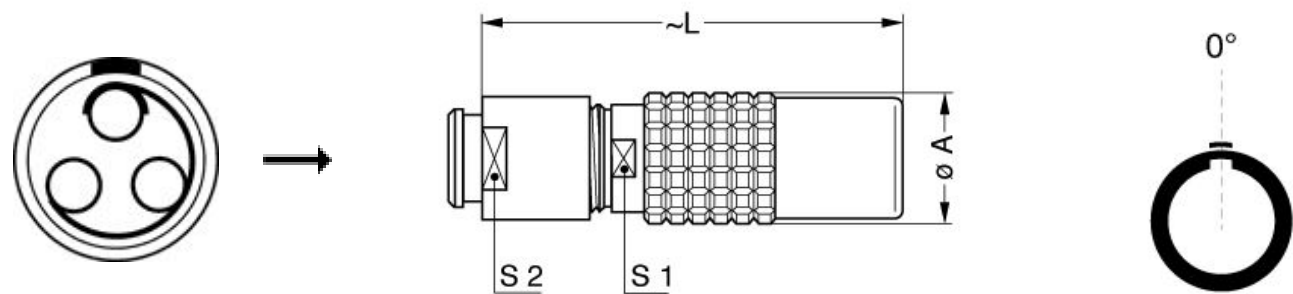
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Vtest (contact-shell): 1500 V (AC), 2120 V (DC)
Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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.	19	54.5	15	15
in.	0,75	2,15	0,59	0,59

RECOMMENDED BY LEMO

Tools

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Spanner wrench:

[DCD.3B.040.PA150](#)

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