

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	2B
Termination type	Female solder
IP rating	50
AWG wire size	24.00 - 16.00
Cable Ø	8.30 - 9.20 mm
Status	active
Matching parts	FGD.2B.303.CLAD92Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PF*: Fixed receptacle, with two nuts, cable collet (back panel mounting)
Keying	2 keys (gamma=95, 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	28.41 g

Performance

Configuration	2B.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	17 Amps

Specifications

Contact Type: Solder
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.4 mm (0.055in)
Max. Solid Conductor: 1 mm ² (AWG 16)
Max. Stranded Conductor: 1 mm ² (AWG 18)
R (max): 3.5 mOhm

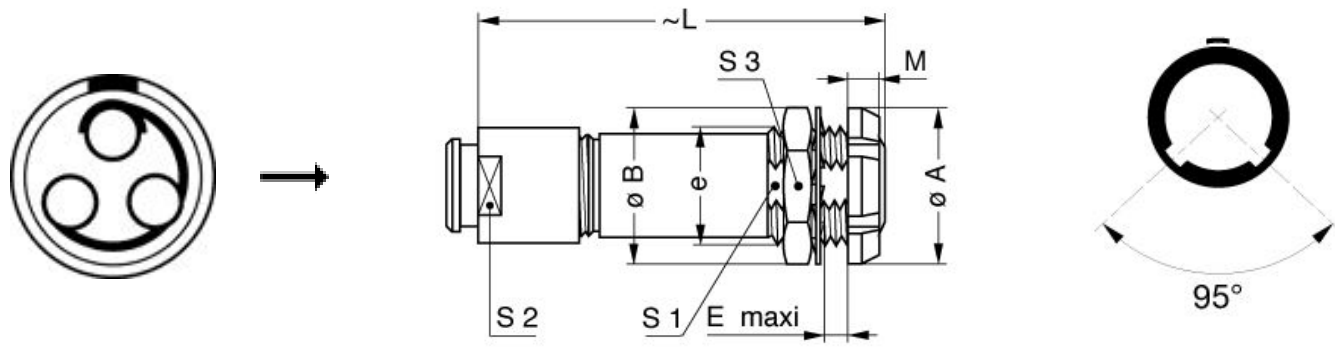
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Vtest (contact-shell): 1850 V (AC), 2600 V (DC)
Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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	B	E	L	M	S1	S2	S3	e
mm.	20	20	6.5	46	3.5	13.5	12	17	M15x1.0
in.	0,79	0,79	0,26	1,81	0,14	0,53	0,47	0,67	

RECOMMENDED BY LEMO

Tools

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Spanner wrench:

[DCD.2B.025.PA120](#)

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