

SUMMARY

Wires

Low voltage	1
High voltage	2



Image is for illustrative purpose only

Series	1B
Termination type	Female solder Hybrid
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	3.10 - 4.20 mm
Status	active
Matching parts	FGG.1B.731.CJAD42

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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

Performance

Configuration	1B.731 : 2 High V. 1 Low V.
Insulator	J: PEEK/PEEK
Rated Current	12 Amps

Specifications

Contact Type: Solder
Test voltage HV Ue (kV rms) 5.3
Working voltage LV Us (kV rms) 0.4

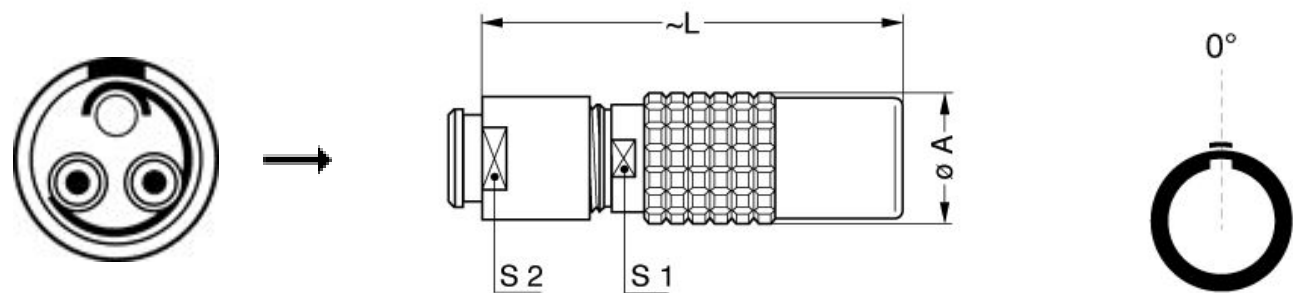
Others

Endurance (Shell): 5000
Temp (min / max): -55°C / +250°C

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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.	12.5	39.5	10	9
in.	0,49	1,56	0,39	0,35

RECOMMENDED BY LEMO

Tools

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

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