

SUMMARY

Wires

Low voltage	1
High voltage	2



Image is for illustrative purpose only

Series	1B
Termination type	Male solder Hybrid High-Voltage
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	PHG.1B.731.CJLD42

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FA*: Fixed plug, non-latching, nut fixing
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	11.70 g

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

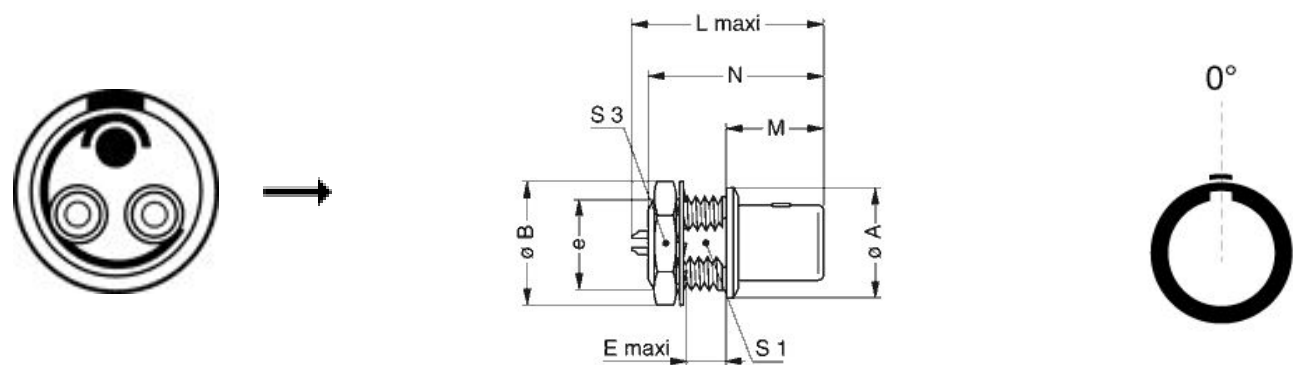
Others

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	B	E	L	M	N	S1	S3	e
mm.	14	16	5.4	25.2	12.5	21.6	10.5	14	M12x1.0
in.	0,55	0,63	0,21	0,99	0,49	0,85	0,41	0,55	

RECOMMENDED BY LEMO

Tools

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