

SUMMARY

Wires

Low voltage	19
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Image is for illustrative purpose only

Series	2B
Termination type	Female solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	FGG.2B.319.CLAD82

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	HG*: Fixed receptacle, nut fixing, watertight or vacuum-tight
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	PV : Watertight / Vacuum-tested
Weight	21.49 g

Performance

Configuration	2B.319 : 19 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	5 Amps

Specifications

Contact Type:	Solder
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Solid Conductor:	0.34 mm ² (AWG 22)
Max. Stranded Conductor:	0.34 mm ² (AWG 22)
R (max):	6.1 mOhm

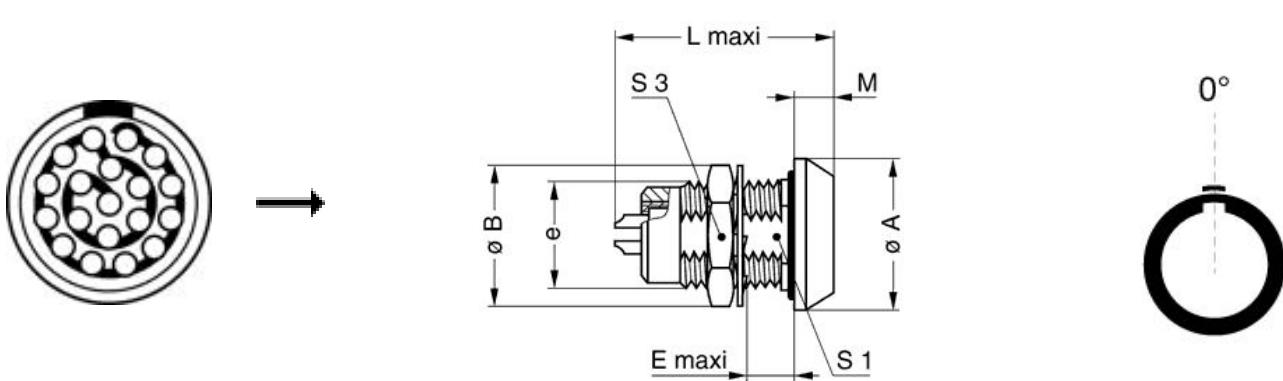
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

Others

Endurance (Shell): 5000
Temp (min / max): -20 °C / +80 °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: 20/80/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
R leak (He) (max): 0.0000001 mbar*l/s (if vacuum-tested)
Salt Spray Corrosion: >1000 hr
Pressure: 40 bars

DRAWINGS



Dimensions

	A	B	E	L	M	S1	S3	e
mm.	20	19.5	8	31.6	4	13.5	17	M15x1.0
in.	0,79	0,77	0,31	1,24	0,16	0,53	0,67	

RECOMMENDED BY LEMO

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Tools

Cables

CMN.19.T22.079QGZE	TPR (medical)	Grey	
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