

SUMMARY

Wires

Low voltage 12



Image is for illustrative purpose only

Series	2B
Termination type	Male solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	7.30 - 8.20 mm
Status	active
Alternative part	FPG.2B.312.CLAD82Z
Matching parts	EGG.2B.312.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FH*: Elbow plug, 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	40.49 g

Performance

Configuration	2B.312 : 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 Amps

Specifications

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

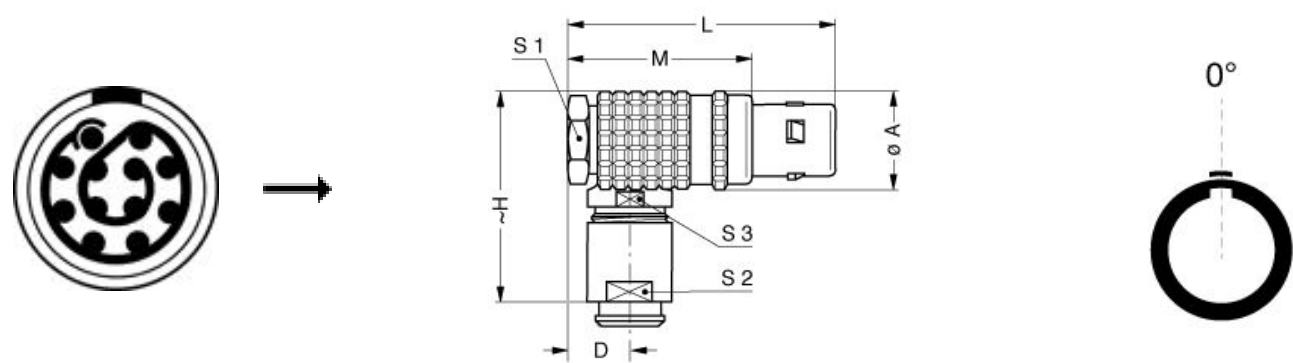
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Vtest (contact-shell): 1350 V (AC), 1910 V (DC)
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

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	D	H	L	M	S1	S2	S3
mm.	16.5	9	34.3	41.5	29.5	14	12	14
in.	0,65	0,35	1,35	1,63	1,16	0,55	0,47	0,55

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.2B.025.PA120](#)

Cables

124080	PVC	Grey	
212220	PVC	Black	

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