

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series	2B
Termination type	Male crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	6.30 - 7.20 mm
Status	active
Matching parts	EGG.2B.310.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FP*: Elbow (90°) plug with cable collet for 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 2B.310 : 10 Low Voltage

Insulator Y: PEEK for crimp contacts

Rated Current 8 Amps

Specifications

Contact Type: Crimp

Contact Retention: 30 N

Contact Dia.: 0.9 mm (0.035in)

Bucket Dia.: 1.1 mm (0.043in)

Min. Conductor: 0.25 mm² (AWG 24)

Max. Conductor: 0.5 mm² (AWG 20)

R (max): 4.8 mOhm

Vtest (contact-shell): 2100 V (AC), 2970 V (DC)

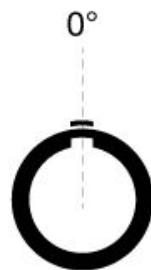
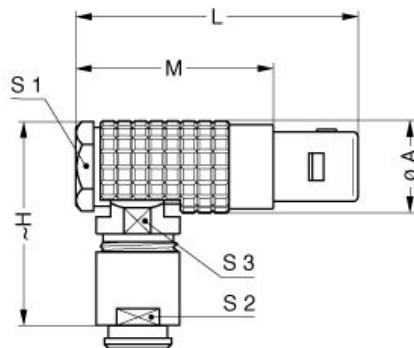
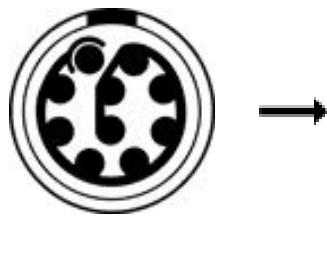
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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	H	L	M	S1	S2	S3
mm.	15	33,6	41,5	29,5	13,5	12	13
in.	0,59	1,32	1,63	1,16	0,53	0,47	0,51

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<u>DCE.91.092.BVC</u>
Extractor:	<u>DCF.91.090.2LT</u>
Replacement contact:	FGG.2B.560.ZZC
Spanner wrench:	<u>DCD.2B.025.PA120</u>

Cables

CMN.10.T22.068QGZE	TPR (medical)	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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