

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series	2B
Termination type	Female crimp
IP rating	54
AWG wire size	24.00 - 20.00
Cable Ø	6.30 - 7.20 mm
Status	obsolete

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FE*: Straight plug, cable collet, front seal and nut for fitting a bend relief (IP 54 when mated)
Keying	2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)
Housing Material	Special housing (see notes for details)
Variant	Z : Nut for fitting a bend relief
Weight	23.87 g

Performance

Configuration	2B.310 : 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
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 mm ² (AWG 24)
Max. Conductor:	0.5 mm ² (AWG 20)

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R (max): 4.8 mOhm

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

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]

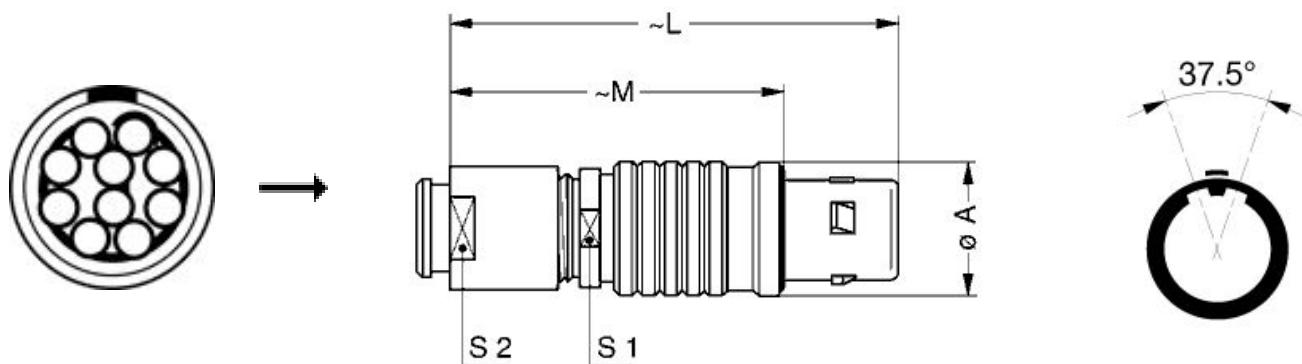
Shock Resistance: 100 g [6 ms]

Climatical Category: 50/175/21

Shielding (min): 75 dB (10 MHz)

Shielding (min): 40 dB (1 GHz)

DRAWINGS



Dimensions

	A	L	M	S1	S2
mm.	16.5	48	36	13	12
in.	0,65	1,89	1,42	0,51	0,47

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.BVM</u>
Extractor:	<u>DCF.91.090.2LT</u>
Replacement contact:	EGG.2B.660.ZZM
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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