

## 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	5.30 - 6.20 mm
Status	active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PF*: Fixed receptacle, with two nuts, cable collet (back panel mounting)
Keying	2 keys (alpha=37.5, plug: female contacts, receptacle: male 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	32.70 g

### 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 mm <sup>2</sup> (AWG 24)
Max. Conductor:	0.5 mm <sup>2</sup> (AWG 20)
R (max):	4.8 mOhm
Vtest (contact-shell):	2100 V (AC), 2970 V (DC)

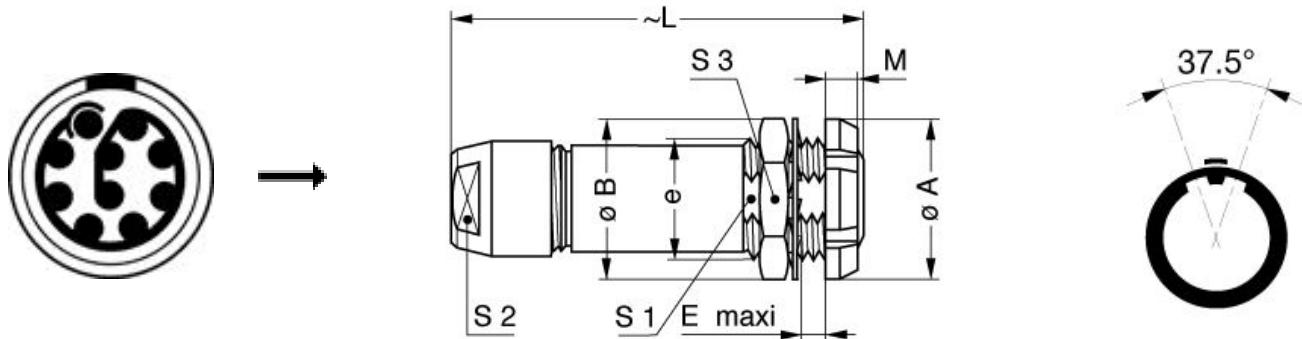
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## 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	B	E	L	M	S1	S2	S3	e
mm.	20	20	6.5	47	3.5	13.5	12	17	M15x1.0
in.	0,79	0,79	0,26	1,85	0,14	0,53	0,47	0,67	

## RECOMMENDED BY LEMO

### Tools

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

## Cables

CMN.10.T28.053QGZE	TPR (medical)	Grey	
110240	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	

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