

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	18.00 - 14.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGJ.3B.306.CYMD82</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EC*: Fixed receptacle with two nuts (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	28.88 g

### Performance

Configuration	3B.306 : 6 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	17 Amps

### Specifications

Contact Type:	Crimp
Contact Retention:	50 N
Contact Dia.:	1.6 mm (0.063in)
Bucket Dia.:	1.9 mm (0.075in)
Min. Conductor:	1 mm <sup>2</sup> (AWG 18)
Max. Conductor:	1.5 mm <sup>2</sup> (AWG 14)
R (max):	3.5 mOhm
Vtest (contact-shell):	1800 V (AC), 2550 V (DC)

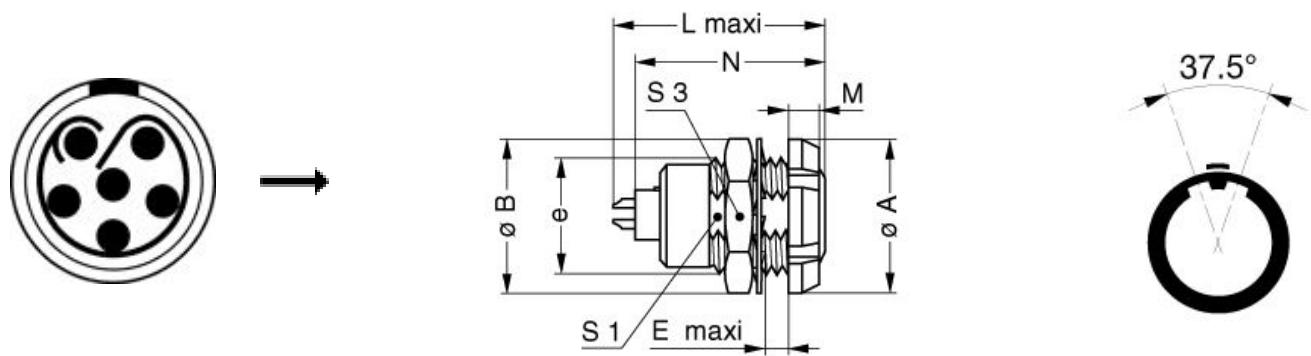
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Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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	N	S1	S3	e
mm.	24	25	9	30.7	4.5	28.1	16.5	22	M18x1.0
in.	0,94	0,98	0,35	1,21	0,18	1,11	0,65	0,87	

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.101.A](#)
























Crimp settings: AWG/Selector = 14-16-18/7-6-5

Positionner: [DCE.91.163.BVCM](#)

Extractor: [DCF.91.163.5LT](#)

Replacement contact: FGG.3B.570.ZZC

### Cables

CMN.06.T18.070PGZE		Grey	
CMN.06.T18.070PNZE			
CMN.06.T20.062PGZE		Grey	
CMN.06.T20.062PNZE			
CMN.06.T20.062QGZE	TPR (medical)	Grey	
CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		Grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		Grey	
CMN.06.T28.044PNZE			
106220	PVC	Black	
106240	PTFE	White	
12080	PVC	Grey	
160140	PVC	Grey	
160240	PVC	Black	
160260	PVC	Black	
260250	PVC	Grey	
360500	PVC	Grey	
360750	PVC	Grey	
460150	PVC	Grey	
60260	PTFE	White	
6280	PVC	Black	

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