

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series	3B
Termination type	Female crimp
IP rating	50
AWG wire size	18.00 - 14.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGG.3B.307.CYCD11Z</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EC*: Fixed receptacle with two nuts (back panel mounting)
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
Weight	31.74 g

### Performance

Configuration	3B.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	15 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): 2050 V (AC), 2900 V (DC)

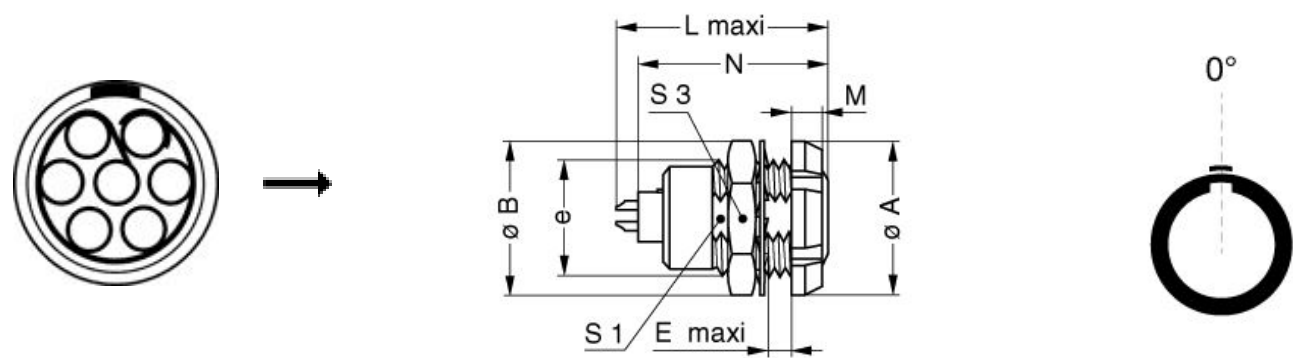
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Vtest (contact-contact): 2000 V (AC), 2850 V (DC)

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: EGG.3B.670.ZZM

### Cables

CMN.07.T14.069QGZC	TPR (medical)		
CMN.07.T18.070PGZE		Grey	
CMN.07.T18.070PNZE			
CMN.07.T20.062PGZE		Grey	
CMN.07.T20.062PNZE			
CMN.07.T20.062QGZE	TPR (medical)	Grey	
CMN.07.T26.037QGZE	TPR (medical)	Grey	
CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			
270250	PVC	Grey	
370500	PVC	Grey	
70140	PVC	Grey	
7041	PVC	Grey	
7050	PVC	Black	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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