

## SUMMARY

### # Wires

Low voltage 16



*Image is for illustrative purpose only*

Series	3B
Termination type	Female crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGG.3B.316.CLCD10Z</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	32.91 g

### Performance

Configuration	3B.316 : 16 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):	1500 V (AC), 2120 V (DC)

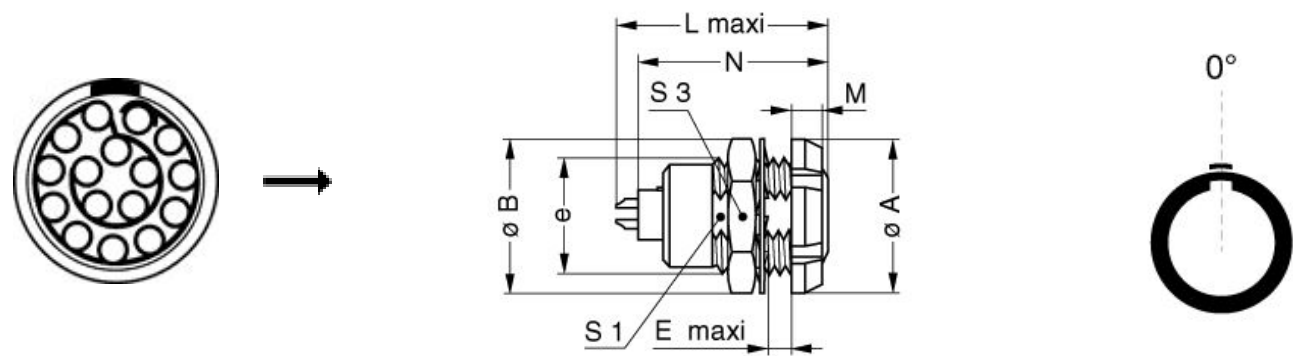
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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	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.91.701.V](#)

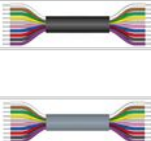
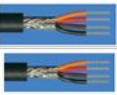
Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: [DCE.91.093.BVM](#)

Extractor: [DCF.91.093.5LT](#)

Replacement contact: EGG.3B.660.ZZM

### Cables

CMN.16.T22.076QGZE	TPR (medical)	Grey	
CMN.16.T28.059PGZE		Grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			
CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	
216220	PVC	Black	
216240	PVC	Black	
216260	PVC	Black	
316250	PVC	Grey	
416500	PVC	Grey	
416750	PVC	Grey	

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