

## SUMMARY

### # Wires

Low voltage 16


*Image is for illustrative purpose only*

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	9.90 - 11.00 mm
Status	NRND
Alternative part	<a href="#">FGG.3B.316.CYCD12</a>
Matching parts	<a href="#">EGG.3B.316.CYM</a>

### Download

[Request a quote](#)
[Catalog](#)
[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief

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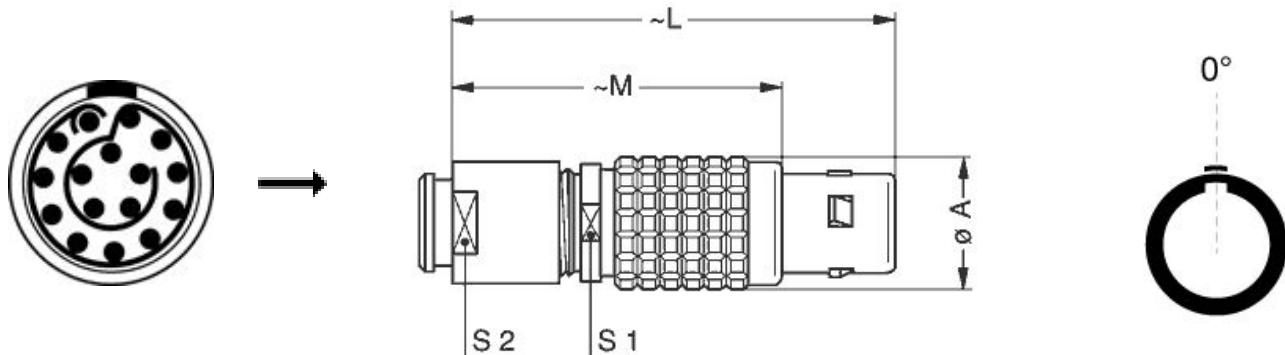
Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## 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

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## DRAWINGS



## Dimensions

	A	L	M	S1	S2
mm.	18	56.5	41.5	15	15
in.	0,71	2,22	1,63	0,59	0,59

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## 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.91.093.BVC</u></a>
Extractor:	<a href="#"><u>DCF.91.093.5LT</u></a>
Replacement contact:	FGG.3B.560.ZZC
Spanner wrench:	<a href="#"><u>DCD.3B.040.PA150</u></a>
Caps:	<a href="#"><u>BFG.3B.100.PCSG</u></a>

## Cables

416500	PVC	Grey	
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