

## 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 7.80 - 9.20 mm  
Status active  
Matching parts [EGJ.3B.316.CYC](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable collet and nut for fitting a bend relief  
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  
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)

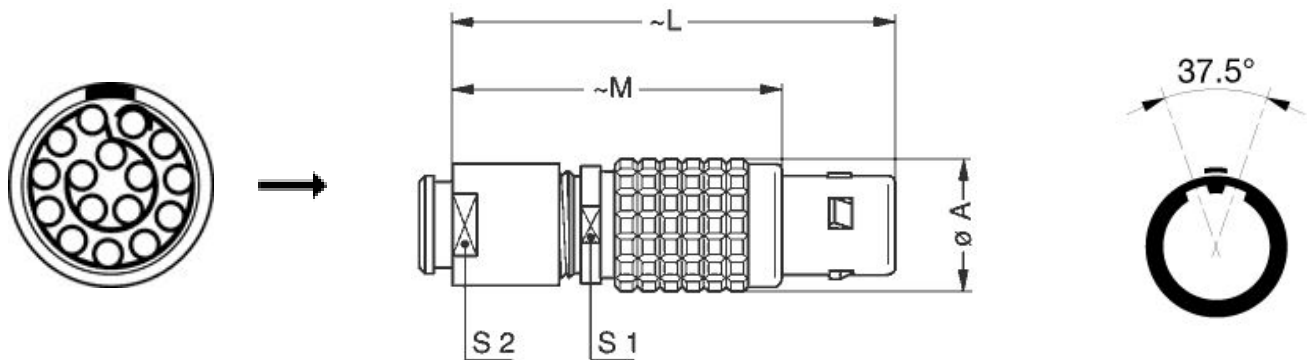
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## 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

## 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

## 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: [DCC.09.05B.LAG](#)  
 Replacement contact: EGG.3B.660.ZZM  
 Spanner wrench: [DCD.3B.ZZZ.PA150](#)

## Cables

216220	PVC	Black	
216240	PVC	Black	
316250	PVC	Grey	

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