

## SUMMARY

### # Wires

Low voltage 14



*Image is for illustrative purpose only*

Series 3B  
Termination type Male crimp  
IP rating 50  
AWG wire size 24.00 - 20.00  
Cable Ø 6.30 - 7.70 mm  
Status active  
Matching parts [EGA.3B.314.CYM](#)

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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=30, 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  
Weight 51.45 g

### Performance

Configuration 3B.314 : 14 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 9 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)

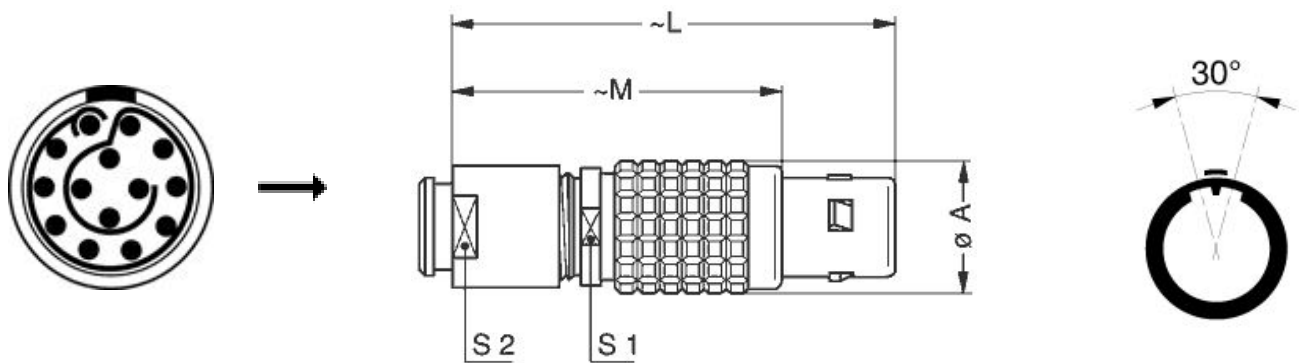
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R (max): 4.8 mOhm  
 Vtest (contact-shell): 1650 V (AC), 2350 V (DC)  
 Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## 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

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<a href="#">DCE.91.093.BVC</a>
Extractor:	<a href="#">DCF.91.093.5LT</a>
Replacement contact:	FGG.3B.560.ZZC
Spanner wrench:	<a href="#">DCD.3B.040.PA150</a>

## Cables

CMN.14.T22.068PGCE	PVC	GREY	
CMN.14.T22.068PGZE		Grey	
CMN.14.T22.068PNCE	PVC	Black	
CMN.14.T22.068PNZE			
214140	PVC	Black	

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