

## SUMMARY

### # Wires

Low voltage	14
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*Image is for illustrative purpose only*

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	32.00 - 28.00
Cable Ø	5.30 - 6.20 mm
Status	active
Matching parts	<a href="#">EGG.1B.314.CLL</a>

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FP*: Elbow (90°) plug with cable collet
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	21.55 g

### Performance

Configuration	1B.314 : 14 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	2 Amps

### Specifications

Contact Type:	Crimp
Contact Retention:	12 N
Contact Dia.:	0.5 mm (0.02in)
Bucket Dia.:	0.45 mm (0.018in)
Min. Conductor:	0.035 mm <sup>2</sup> (AWG 32)
Max. Conductor:	0.09 mm <sup>2</sup> (AWG 28)
R (max):	8.7 mOhm
Vtest (contact-shell):	1600 V (AC), 2250 V (DC)

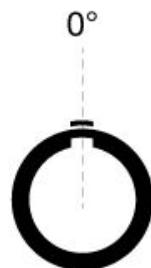
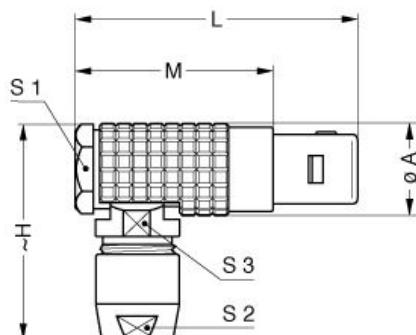
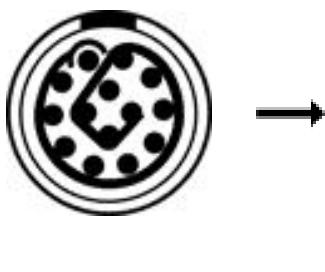
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Vtest (contact-contact): 950 V (AC), 1340 V (DC)

## 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	H	L	M	S1	S2	S3
mm.	12	29	36	25	11	9	10
in.	0,47	1,14	1,42	0,98	0,43	0,35	0,39

## RECOMMENDED BY LEMO

### Tools

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Crimp Tool:	<a href="#"><u>DPC.91.701.V</u></a>
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	<a href="#"><u>DCE.91.051.BVC</u></a>
Extractor:	<a href="#"><u>DCF.91.050.2LT</u></a>
Replacement contact:	FGG.1B.554.ZZC
Spanner wrench:	<a href="#"><u>DCD.1B.015.PA090</u></a>

## Cables

CMN.14.T28.056PGZE		Grey	
CMN.14.T28.056PNZE			
CMN.14.T28.056QGZE	TPR (medical)	Grey	

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