

## SUMMARY

### # Wires

Low voltage 2


*Image is for illustrative purpose only*

Series	1B
Termination type	Female crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	5.30 - 6.20 mm
Status	active
Matching parts	<a href="#">EGJ.1B.302.CYC</a>

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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 (gamma=45, 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
Weight	17.14 g

### Performance

Configuration	1B.302 : 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	15 Amps

### Specifications

Contact Type: Crimp  
 Contact Retention: 40 N  
 Contact Dia.: 1.3 mm (0.051in)  
 Bucket Dia.: 1.4 mm (0.055in)  
 Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 Max. Conductor: 1 mm<sup>2</sup> (AWG 18)

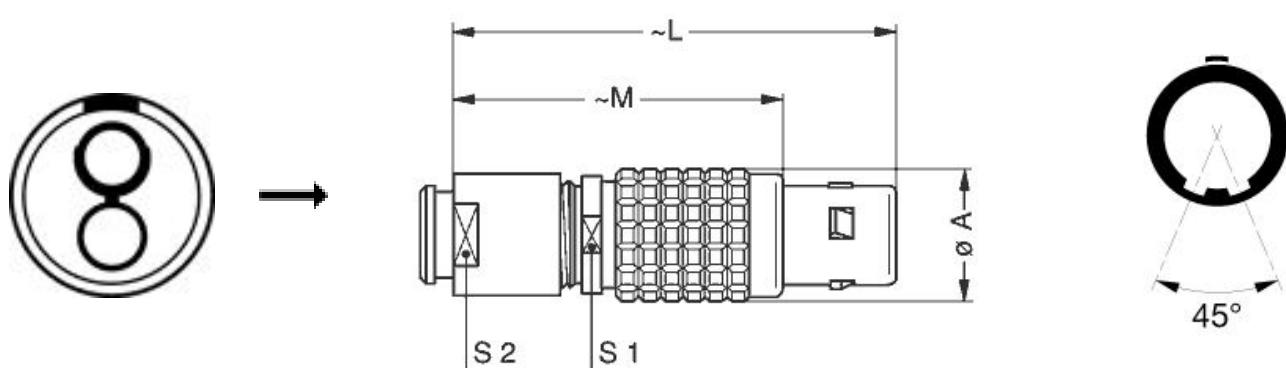
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R (max): 3.6 mOhm  
Vtest (contact-shell): 1450 V (AC), 2100 V (DC)  
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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.	12	42	31	10	9
in.	0,47	1,65	1,22	0,39	0,35

## RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#"><u>DPC.91.701.V</u></a>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<a href="#"><u>DCE.91.131.BVM</u></a>
Extractor:	<a href="#"><u>DCF.91.131.2LT</u></a>
Replacement contact:	EGG.1B.665.ZZM
Spanner wrench:	<a href="#"><u>DCD.1B.015.PA090</u></a>

## Cables

102080	PVC	Grey	
120184	PVC	Black	
120500	PVC	Grey	
120751	PVC	Grey	
220750	PVC	Grey	

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