

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series	2B
Termination type	Male crimp
IP rating	50
AWG wire size	16.00 - 12.00
Cable Ø	9.30 - 9.90 mm
Status	active
Matching parts	<a href="#">EGG.2B.302.CYM</a> <a href="#">PHG.2B.302.CYMD99</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, 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	28.48 g

### Performance

Configuration	2B.302 : 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	25 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 65 N  
Contact Dia.: 2 mm (0.079in)  
Bucket Dia.: 2.4 mm (0.094in)  
Min. Conductor: 1.5 mm<sup>2</sup> (AWG 16)  
Max. Conductor: 2.5 mm<sup>2</sup> (AWG 12)  
R (max): 3.3 mOhm  
Vtest (contact-shell): 2700 V (AC), 3820 V (DC)

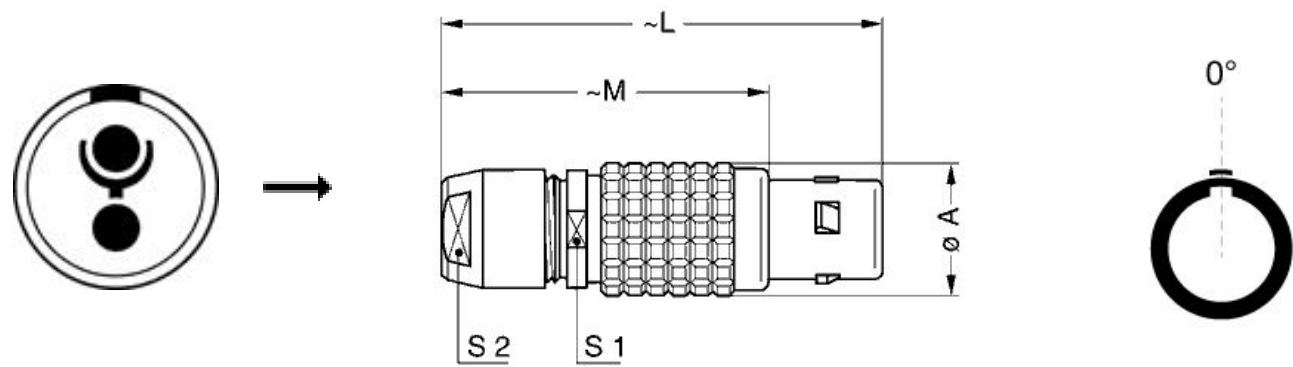
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Vtest (contact-contact): 2850 V (AC), 4030 V (DC)

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.	15	50	38	13	12
in.	0,59	1,97	1,50	0,51	0,47

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<a href="#">DPC.91.101.A</a>
Crimp settings:	AWG/Selector = 12-14-16/8-7-6
Positionner:	<a href="#">DCE.91.202.BVCM</a>
Extractor:	<a href="#">DCC.91.202.5LA</a>
Replacement contact:	FGG.2B.575.ZZC
Spanner wrench:	<a href="#">DCD.2B.025.PA120</a>
Caps:	<a href="#">BFG.2B.100.PCSG</a>

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