

## SUMMARY

### # Wires

Low voltage	2
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*Image is for illustrative purpose only*

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">EGB.1B.302.CYM</a> <a href="#">PFB.1B.302.CYMD52Z</a>

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- [Eplan](#)
- [Catalog](#)
- [See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=60, 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	16.55 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]

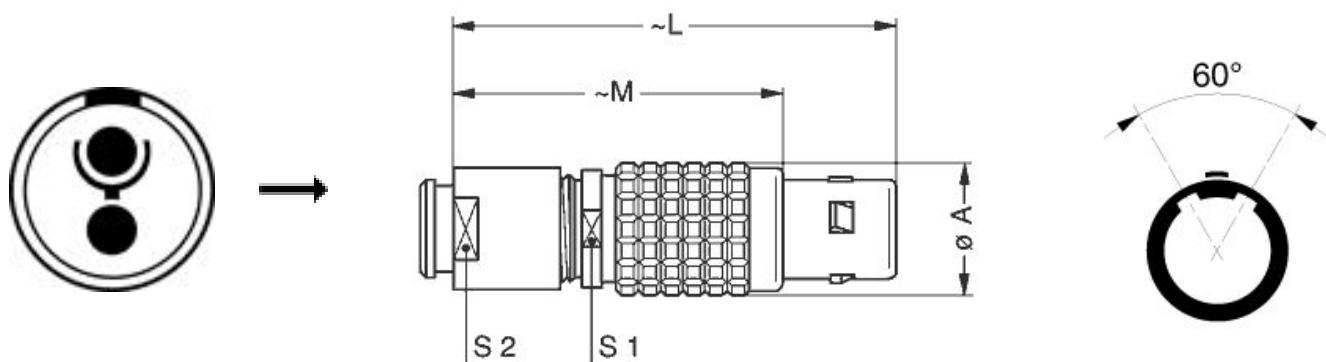
Climatical Category: 50/175/21

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.BVC</u></a>
Extractor:	<a href="#"><u>DCF.91.131.2LT</u></a>
Replacement contact:	FGG.1B.565.ZZC
Spanner wrench:	<a href="#"><u>DCD.1B.015.PA090</u></a>

## Cables

CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
120240	PVC	Black	
120250	PVC	Grey	
120501	PVC	Grey	
2221	PVC	Black	
4082	PVC	Grey	

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