

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 1B
Termination type Male crimp
IP rating 50
AWG wire size 20.00 - 18.00
Cable Ø 6.30 - 7.20 mm
Status active
Matching parts [EGA.1B.302.CYM](#)

Download

[Request a quote](#)
[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=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 16.20 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 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)

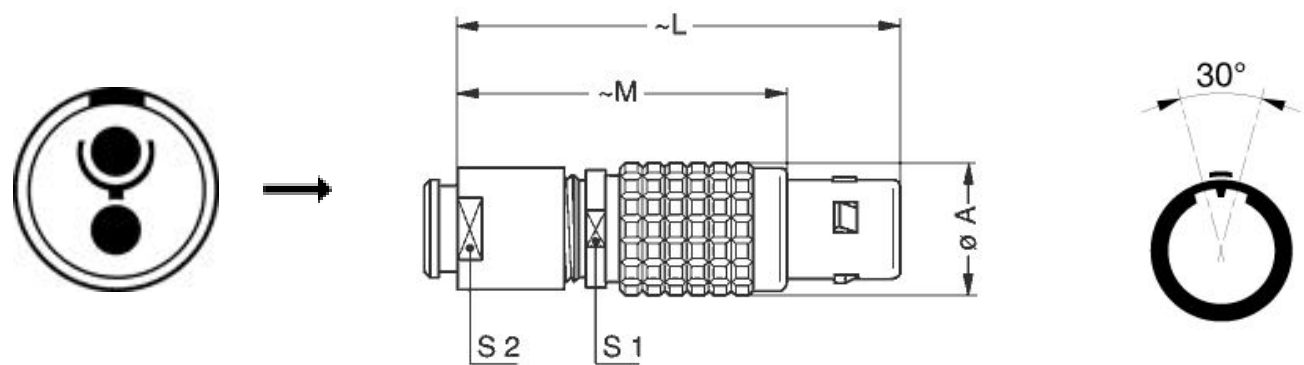
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 18-20/8-7
- Positionner: [DCE.91.131.BVC](#)
- Extractor: [DCF.91.131.2LT](#)
- Replacement contact: FGG.1B.565.ZZC
- Spanner wrench: [DCD.1B.015.PA090](#)

Cables

CMN.02.T18.064UNCU			
--------------------	--	--	--

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.