

SUMMARY

Wires

Low voltage	12
High voltage	1



Image is for illustrative purpose only

Series	3B
Termination type	Male crimp Hybrid High-Voltage
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	6.30 - 7.70 mm
Status	active
Matching parts	EGG.3B.712.CJL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief
Weight	50.21 g

Performance

Configuration	3B.712 : 1 High V. 12 Low V.
Insulator	J: PEEK/PEEK
Rated Current	3 Amps

Specifications

Contact Type: Crimp
Test voltage HV Ue (kV dc) 12
Test voltage HV Ue (kV rms) 8.5
Rated current HV (A) 4
Test voltage LV cont-cont sold.(kV rms) 1.2
Test voltage LV cont-shell sold.(kV rms) 0.85

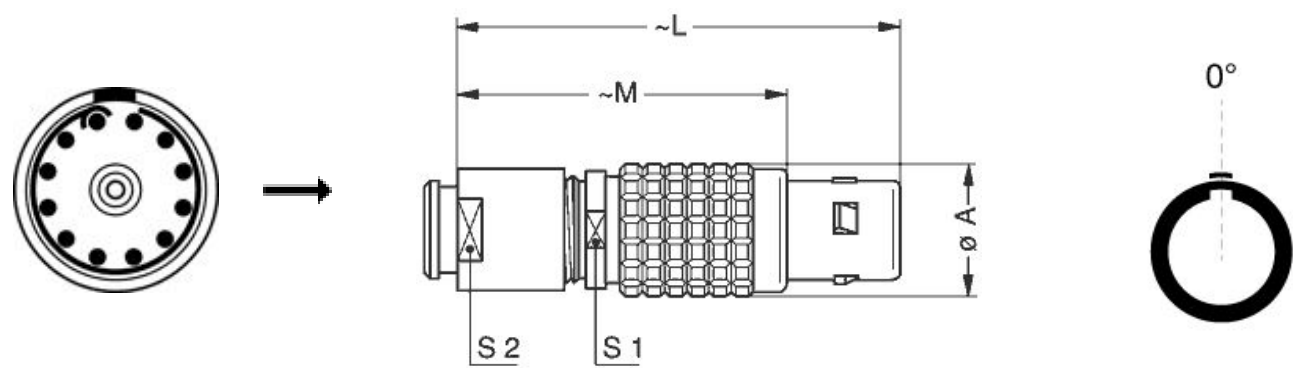
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Rated current LV (A) 5

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.	18	56.5	41.5	15	15
in.	0,71	2,22	1,63	0,59	0,59

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<u>DCE.91.093.BVC</u>
Extractor:	<u>DCF.91.093.5LT</u>
Replacement contact:	FGG.3B.560.ZZC
Spanner wrench:	<u>DCD.3B.040.PA150</u>
Caps:	<u>BFG.3B.100.PCSG</u>

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