

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	2B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	8.30 - 9.20 mm
Status	active
Matching parts	EGG.2B.307.CYM

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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	29.01 g

Performance

Configuration	2B.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	11 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 ² (AWG 20)
Max. Conductor:	1 mm ² (AWG 18)

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R (max): 3.6 mOhm

Vtest (contact-shell): 2150 V (AC), 3040 V (DC)

Vtest (contact-contact): 1950 V (AC), 2750 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]

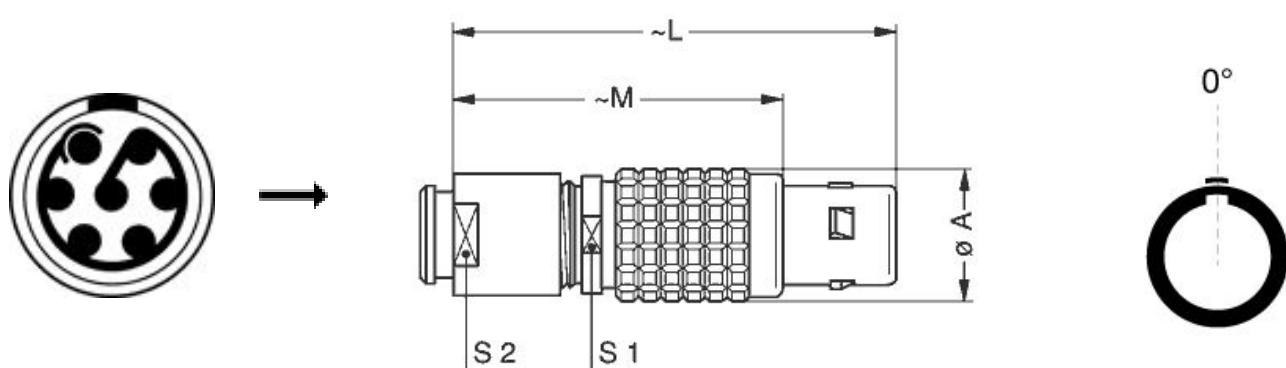
Climatical Category: 50/175/21

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	49	37	13	12
in.	0,59	1,93	1,46	0,51	0,47

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<u>DCE.91.132.BVC</u>
Extractor:	<u>DCF.91.131.2LT</u>
Replacement contact:	FGG.2B.565.ZZC
Spanner wrench:	<u>DCD.2B.025.PA120</u>
Caps:	<u>BFG.2B.100.PCSG</u>

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