

SUMMARY

Wires

Low voltage 16


Image is for illustrative purpose only

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	32.00 - 28.00
Cable Ø	6.30 - 7.20 mm
Status	active
Matching parts	EGG.1B.316.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	16.55 g

Performance

Configuration	1B.316 : 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	1.5 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	12 N
Contact Dia.:	0.5 mm (0.02in)
Bucket Dia.:	0.45 mm (0.018in)
Min. Conductor:	0.035 mm ² (AWG 32)
Max. Conductor:	0.09 mm ² (AWG 28)

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R (max): 8.7 mOhm

Vtest (contact-shell): 1600 V (AC), 2250 V (DC)

Vtest (contact-contact): 950 V (AC), 1340 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]

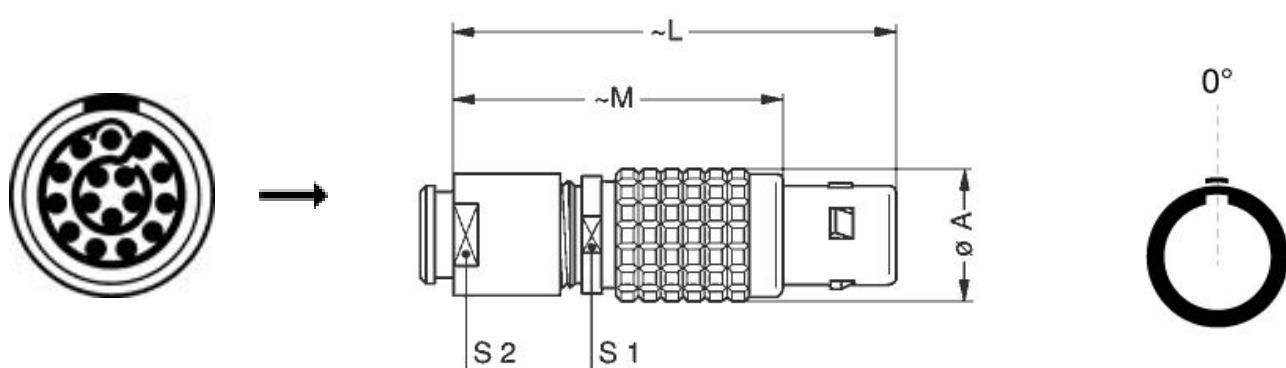
Climatical Category: 50/175/21

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:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	<u>DCE.91.051.BVC</u>
Extractor:	<u>DCF.91.050.2LT</u>
Replacement contact:	FGG.1B.554.ZZC
Spanner wrench:	<u>DCD.1B.015.PA090</u>
Caps:	<u>BFG.1B.100.PCSG</u>

Cables

CMN.16.T28.070NNZZ			
116280	PVC	Black	

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