

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	1B
Termination type	Female crimp
IP rating	50
AWG wire size	26.00 - 22.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	FGG.1B.307.CYCD52

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PF*: Fixed receptacle, with two nuts, cable collet (back panel mounting)
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

Performance

Configuration	1B.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	7 Amps

Specifications

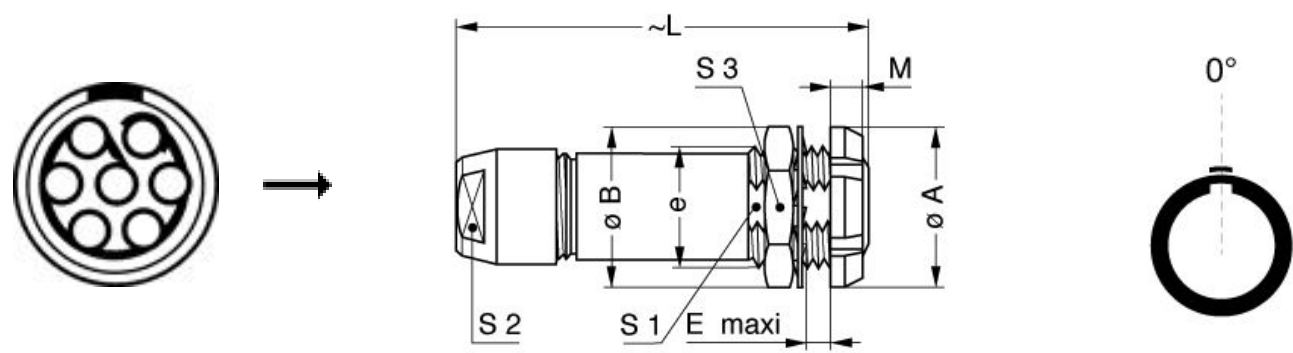
Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm ² (AWG 26)
Max. Conductor: 0.34 mm ² (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)
Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

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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	B	E	L	M	S1	S2	S3	e
mm.	16	16	5	40.5	3.5	10.5	9	14	M12x1.0
in.	0,63	0,63	0,20	1,59	0,14	0,41	0,35	0,55	

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 22-24-26/6-5-5

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Positionner: [DCE.91.071.BVM](#)
Extractor: [DCF.91.070.2LT](#)
Replacement contact: EGG.1B.655.ZZM
Spanner wrench: [DCD.1B.015.PA090](#)

Cables

CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			
70140	PVC	Grey	

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