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FGG.1B.302.CLAD52Z

SUMMARY

Wires

Low voltage	**2**

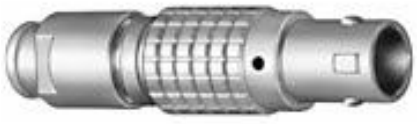


Image is for illustrative purpose only

Series	1B
Termination type	Male solder
IP rating	50
AWG wire size	20.00 - 20.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	EGG.1B.302.CLL
	PHG.1B.302.CLLD52Z

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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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	15.76 g

Performance

Configuration	1B.302 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	15 Amps

Specifications

Contact Type: Solder
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1 mm (0.039in)
Max. Solid Conductor: 0.5 mm^2 (AWG 20)
Max. Stranded Conductor: 0.5 mm^2 (AWG 20)
R (max): 3.6 mOhm
Vtest (contact-shell): 1350 V (AC), 1910 V (DC)

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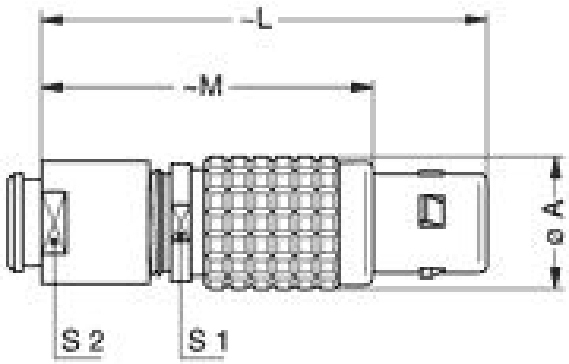
Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

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

Draws







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

Tools

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Spanner wrench: DCD.1B.015.PA090

Caps: BFG.1B.100.PCSG

Cables

CMN.02.T22.047PGCE	PVC	GREY	
CMN.02.T20.047PGCE	PVC	GREY	
CMN.02.T20.048QGZE	TPR (medical)	Grey	
CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNCE	PVC	Black	
CMN.02.T20.047PNZE			
CMN.02.T22.047PGZE		Grey	
CMN.02.T22.047PNCE	PVC	Black	
CMN.02.T22.047PNZE			
002 200	PVC	Black	
002 221	PVC	Black	
004 082	PVC	Grey	
120 240	PVC	Black	
120 250	PVC	Grey	
120 501	PVC	Grey	

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