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FGG.1B.305.CYCD62

SUMMARY

Wires

Low voltage	**5**



Image is for illustrative purpose only

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	5.30 - 6.20 mm
Status	active
Matching parts	EGG.1B.305.CYM PHG.1B.305.CYMD62

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Eplan

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See video assembly instructions

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet
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
Weight	16.17 g

Performance

Configuration	1B.305 : 5 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	9 Amps

Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm^2 (AWG 24)
Max. Conductor: 0.5 mm^2 (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)

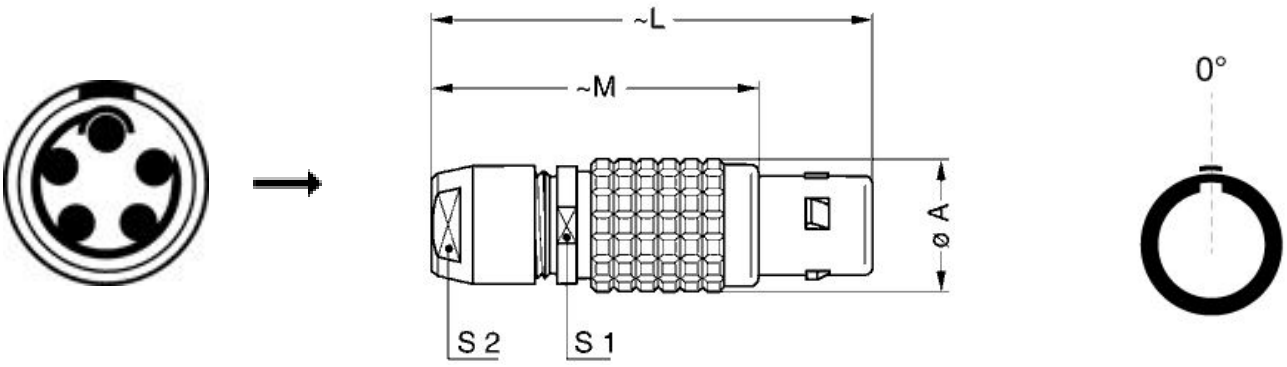
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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	43	32	10	9
in.	0,47	1,69	1,26	0,39	0,35

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	DCE.91.091.BVC
Extractor:	DCF.91.090.2LT
Replacement contact:	FGG.1B.560.ZZC
Spanner wrench:	DCD.1B.015.PA090
Caps:	BFG.1B.100.PCSG

Cables

CMN.05.T20.057PGZE		Grey	
CMN.05.T20.057PNZE			
CMN.05.T20.057QGZE	TPR (medical)	Grey	
150250	PVC	Grey	

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