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FGB.1B.307.CYCD72Z

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series 1B

Termination type Male crimp

IP rating 50

AWG wire size 26.00 - 22.00 Cable Ø 6.30 - 7.20 mm

Status active

Matching parts EGB.1B.307.CYM

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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 2 keys (alpha=60, 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 16.66 g

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 mm² (AWG 2

Min. Conductor: 0.14 mm² (AWG 26) Max. Conductor: 0.34 mm² (AWG 22)

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R (max): 6.1 mOhm

Vtest (contact-shell): 1450 V (AC), 2050 V (DC) Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

Others

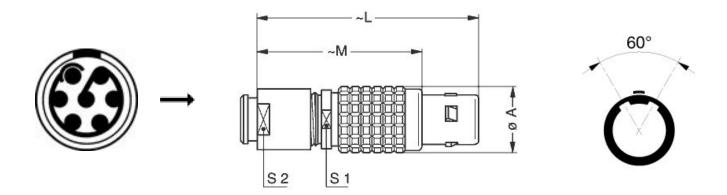
Endurance (Shell): 5000

Temp (min / max): -55°C / +250°C

Humidity (max): $\leq 95\%$ [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

	А	L	М	S 1	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: DPC.91.701.V

Crimp settings: AWG/Selector = 22-24-26/6-5-5

Positionner: DCE.91.071.BVC
Extractor: DCC.07.04B.LAG
Replacement contact: FGG.1B.555.ZZC
Spanner wrench: DCD.1B.ZZZ.PA090

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