

SUMMARY

Wires

Low voltage 12



Image is for illustrative purpose only

Series 3B
Termination type Male crimp
IP rating 50
AWG wire size 24.00 - 20.00
Cable Ø 4.90 - 6.20 mm
Status active
Matching parts [EGG.3B.312.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 51.54 g

Performance

Configuration 3B.312 : 12 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 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)

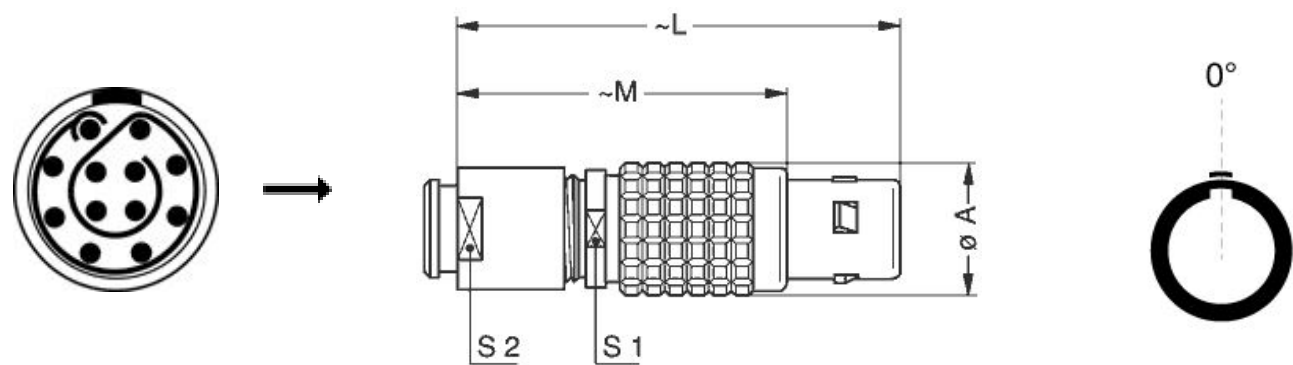
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R (max): 4.8 mOhm
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)
Vtest (contact-contact): 1650 V (AC), 2350 V (DC)

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.	18	56.5	41.5	15	15
in.	0,71	2,22	1,63	0,59	0,59

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	DCE.91.093.BVC
Extractor:	DCF.91.093.5LT
Replacement contact:	FGG.3B.560.ZZC
Spanner wrench:	DCD.3B.040.PA150
Caps:	BFG.3B.100.PCSG

Cables

CMN.12.T28.054PGZE		Grey	
CMN.12.T28.054PNZE			
112260	PTFE	White	
112280	PVC	Black	

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