

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series	3B
Termination type	Female crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	10.80 - 11.90 mm
Status	active
Matching parts	FGG.3B.310.CYCD12

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PK*: Fixed receptacle, nut fixing, 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

Performance

Configuration	3B.310 : 10 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	12 Amps

Specifications

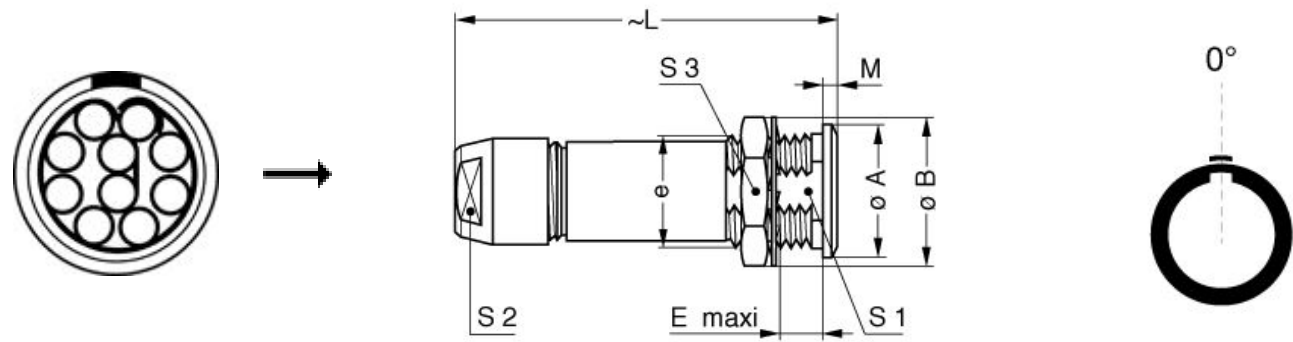
Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.6 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)
Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

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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.	22	25	11.5	56	2	16.5	14	22	M18x1.0
in.	0,87	0,98	0,45	2,20	0,08	0,65	0,55	0,87	

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 18-20-22/5-4-3

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Positionner:	<u>DCE.91.133.BVM</u>
Extractor:	<u>DCF.91.133.5LT</u>
Replacement contact:	EGG.3B.665.ZZM
Spanner wrench:	<u>DCD.3B.040.PA140</u>

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