

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	7.80 - 9.20 mm
Status	obsolete
Alternative part	FHG.3B.310.CYCD92Z
Matching parts	EGG.3B.310.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FH*: Elbow 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

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)

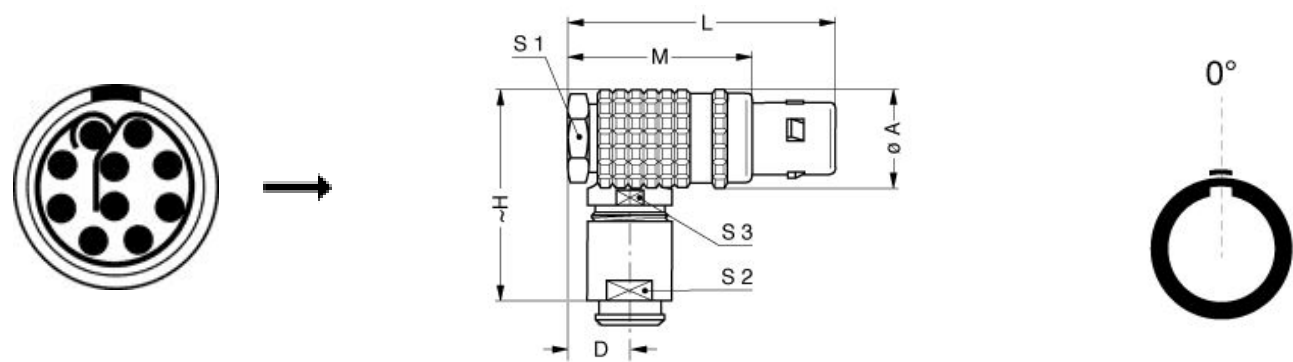
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Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

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



Dimensions

	A	D	H	L	M	S1	S2	S3
mm.	19	10	37.8	50	35	17	15	15
in.	0,75	0,39	1,49	1,97	1,38	0,67	0,59	0,59

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	DCE.91.133.BVC
Extractor:	DCF.91.133.5LT
Replacement contact:	FGG.3B.565.ZZC
Spanner wrench:	DCD.3B.040.PA150

Cables

CMN.10.T20.080PGZE		Grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	

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