

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	26.00 - 22.00
Cable Ø	3.10 - 4.20 mm
Status	obsolete
Alternative part	<a href="#">FPG.1B.308.CYCD42Z</a>
Matching parts	<a href="#">EGG.1B.308.CYM</a>

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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
Weight	24.81 g

### Performance

Configuration	1B.308 : 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	5 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 mm <sup>2</sup> (AWG 26)
Max. Conductor:	0.34 mm <sup>2</sup> (AWG 22)

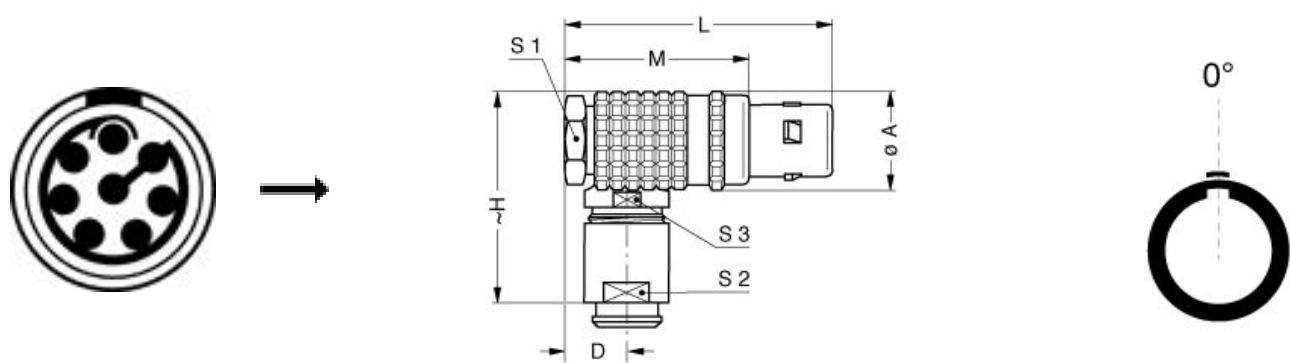
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R (max): 6.1 mOhm  
Vtest (contact-shell): 1300 V (AC), 1840 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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	D	H	L	M	S1	S2	S3
mm.	13.5	8	28.1	36	25	11	9	10
in.	0,53	0,31	1,11	1,42	0,98	0,43	0,35	0,39

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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:

[DCF.91.070.2LT](#)
- Replacement contact:

FGG.1B.555.ZZC
- Spanner wrench:

[DCD.1B.015.PA090](#)

Cables

CMN.08.T26.042QGZE	TPR (medical)	Grey	
8050	PVC	Black	

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