

SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

Series	3B
Termination type	Female crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	7.80 - 9.20 mm
Status	active
Matching parts	EGJ.3B.308.CYC

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=37.5, plug: female contacts, receptacle: male 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	49.59 g

Performance

Configuration	3B.308 : 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	13 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 mm ² (AWG 20)
Max. Conductor: 1 mm ² (AWG 18)

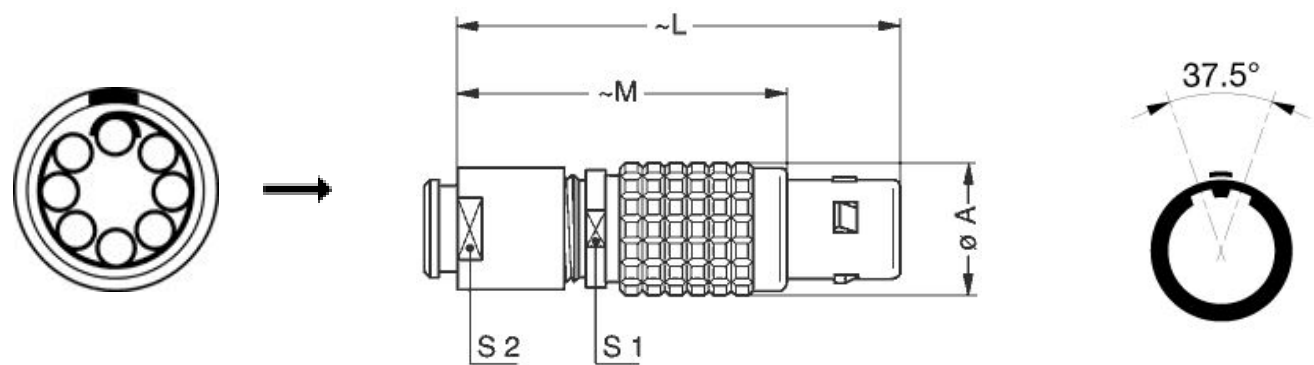
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R (max): 3.6 mOhm
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)
Vtest (contact-contact): 1850 V (AC), 2600 V (DC)

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

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Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 18-20-22/5-4-3
- Positionner: [DCE.91.133.BVM](#)
- Extractor: [DCF.91.133.5LT](#)
- Replacement contact: EGG.3B.665.ZZM
- Spanner wrench: [DCD.3B.040.PA150](#)

Cables

380500	PVC	Grey	
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