

SUMMARY

Wires

Low voltage	2
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Image is for illustrative purpose only

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	EGG.1B.302.CYM

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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	24.15 g

Performance

Configuration	1B.302 : 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	15 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)

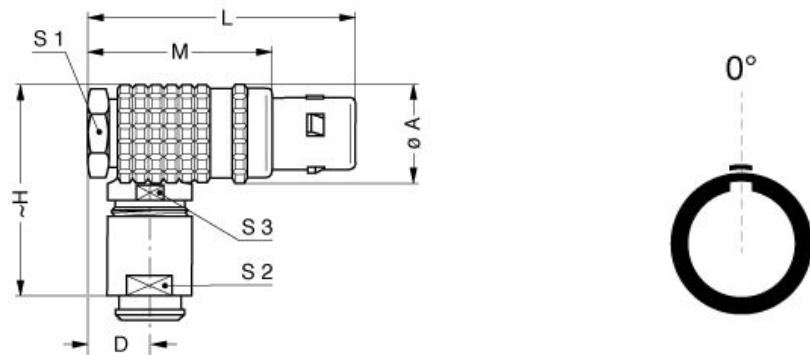
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R (max): 3.6 mOhm
Vtest (contact-shell): 1450 V (AC), 2100 V (DC)
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<u>DCE.91.131.BVC</u>
Extractor:	<u>DCF.91.131.2LT</u>
Replacement contact:	FGG.1B.565.ZZC
Spanner wrench:	<u>DCD.1B.015.PA090</u>

Cables

CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
120240	PVC	Black	
120250	PVC	Grey	
120501	PVC	Grey	
2221	PVC	Black	
4082	PVC	Grey	

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