

SUMMARY

Wires

Low voltage 2



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 PHG.1B.302.CYMD52Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight 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	16.77 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 mm² (AWG 20)
- Max. Conductor: 1 mm² (AWG 18)

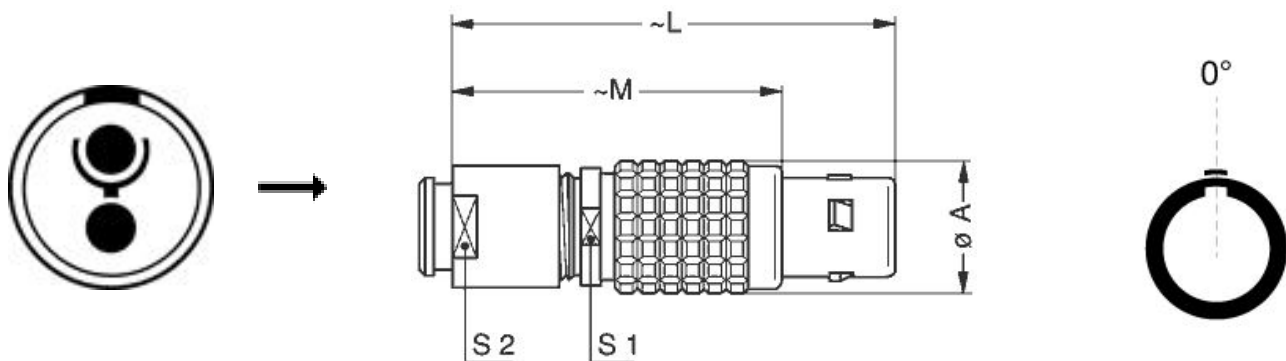
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R (max): 3.6 mOhm
 Vtest (contact-shell): 1450 V (AC), 2100 V (DC)
 Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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	L	M	S1	S2
mm.	12	42	31	10	9
in.	0,47	1,65	1,22	0,39	0,35








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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	DCE.91.131.BVC
Extractor:	DCF.91.131.2LT
Replacement contact:	FGG.1B.565.ZZC
Spanner wrench:	DCD.1B.015.PA090
Caps:	BFG.1B.100.PCSG

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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