

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 3.10 - 4.20 mm
Status active
Matching parts [EGA.1B.302.CYM](#)
[PFA.1B.302.CYMD42Z](#)

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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=30, 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 17.61 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)

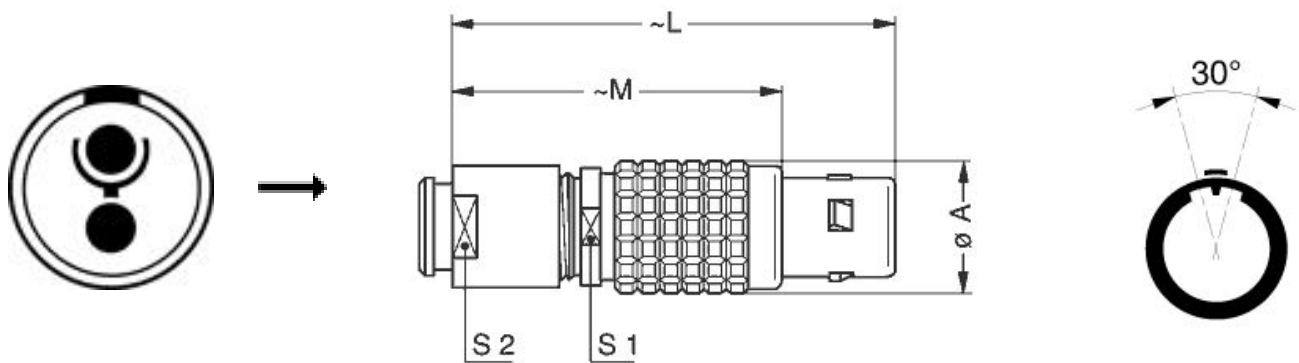
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R (max): 3.6 mOhm
 Vtest (contact-shell): 1450 V (AC), 2100 V (DC)
 Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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

RECOMMENDED BY LEMO

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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

Cables

20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2080	PVC	Grey	
2280	PVC	Black	

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