

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 2B
Termination type Male crimp
IP rating 50
AWG wire size 16.00 - 12.00
Cable Ø 5.30 - 6.20 mm
Status active
Matching parts [EGG.2B.302.CYM](#)
[PHG.2B.302.CYMD62Z](#)

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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 30.88 g

Performance

Configuration 2B.302 : 2 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 25 Amps

Specifications

Contact Type: Crimp
Contact Retention: 65 N
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 2.4 mm (0.094in)
Min. Conductor: 1.5 mm² (AWG 16)
Max. Conductor: 2.5 mm² (AWG 12)

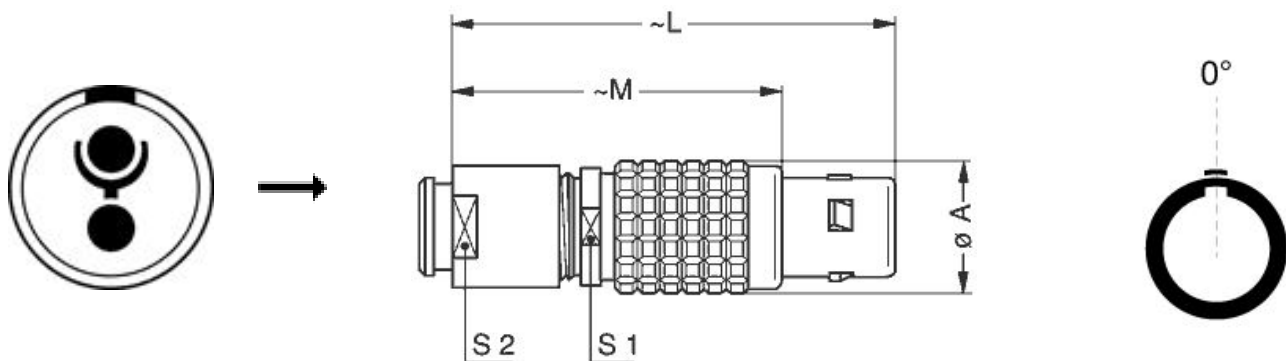
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R (max): 3.3 mOhm
 Vtest (contact-shell): 2700 V (AC), 3820 V (DC)
 Vtest (contact-contact): 2850 V (AC), 4030 V (DC)

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.	15	49	37	13	12
in.	0,59	1,93	1,46	0,51	0,47

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Tools

Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 12-14-16/8-7-6
Positionner:	DCE.91.202.BVCM
Extractor:	DCC.91.202.5LA
Replacement contact:	FGG.2B.575.ZZC
Spanner wrench:	DCD.2B.025.PA120
Caps:	BFG.2B.100.PCSG

Cables

102080	PVC	Grey	
120184	PVC	Black	
120500	PVC	Grey	
120751	PVC	Grey	
220750	PVC	Grey	

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