

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series 4B
Termination type Male crimp
IP rating 50
AWG wire size 14.00 - 10.00
Cable Ø 9.10 - 10.50 mm
Status active
Matching parts [EGA.4B.304.CLL](#)
[PHA.4B.304.CYMD10Z](#)

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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 119.69 g

Performance

Configuration 4B.304 : 4 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 30 Amps

Specifications

Contact Type: Crimp
Contact Retention: 75 N
Contact Dia.: 3 mm (0.118in)
Bucket Dia.: 2.9 mm (0.114in)
Min. Conductor: 2.5 mm² (AWG 14)
Max. Conductor: 4 mm² (AWG 10)

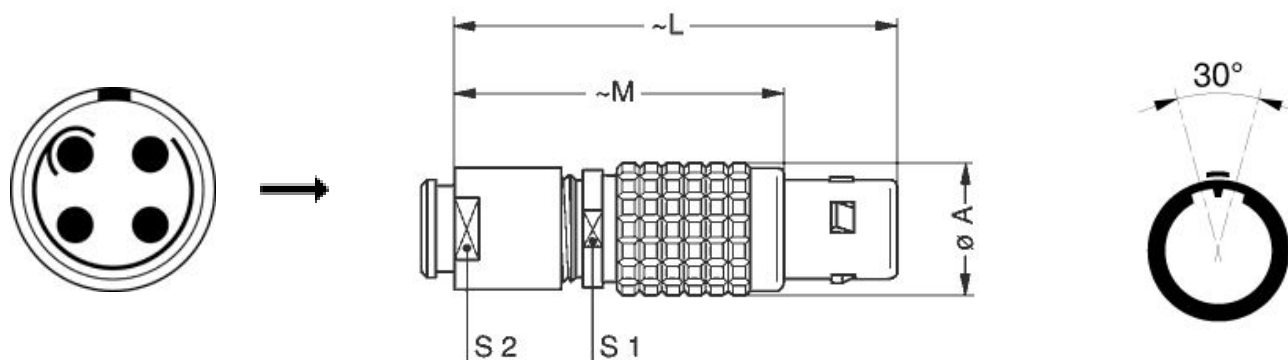
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R (max): 3.1 mOhm
 Vtest (contact-shell): 1200 V (AC), 1700 V (DC)
 Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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.	25	71	53	21	20
in.	0,98	2,80	2,09	0,83	0,79

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Tools

Crimp Tool:	DPC.91.102.V
Crimp settings:	AWG/Selector = 10-12-14/3-1-1
Positionner:	DCE.91.304.BVCM
Extractor:	DCF.91.303.5LT
Replacement contact:	FGG.4B.580.ZZC

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