

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	4B
Termination type	Female crimp
IP rating	50
AWG wire size	14.00 - 10.00
Cable Ø	9.10 - 10.50 mm
Status	Active
Matching parts	FGA.4B.304.CYCD10Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PF*: Fixed receptacle, with two nuts, cable collet (back panel mounting)
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	153.18 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 mm ² (AWG 14)
Max. Conductor: 4 mm ² (AWG 10)

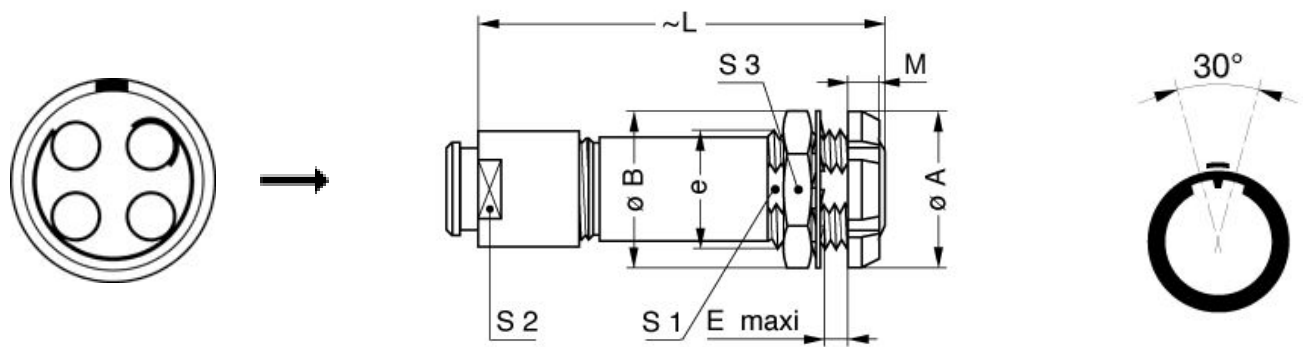
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R (max): 3.1 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)
Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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	B	E	L	M	S1	S2	S3	e
mm.	30	32	11	69	4.5	23.5	20	30	M25x1.0
in.	1,18	1,26	0,43	2,72	0,18	0,93	0,79	1,18	

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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:	DCC.30.35B.LAG
Replacement contact:	EGG.4B.680.ZZM
Spanner wrench:	Socket for torque wrench DCM.65.270.AZ

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