

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	1K
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	4.60 - 5.00 mm
Status	active
Matching parts	FGG.1K.304.CYCC50Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle, 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	28.26 g

Performance

Configuration	1K.304 : 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	10 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	30 N
Contact Dia.:	0.9 mm (0.035in)
Bucket Dia.:	1.1 mm (0.043in)
Min. Conductor:	0.25 mm ² (AWG 24)
Max. Conductor:	0.5 mm ² (AWG 20)

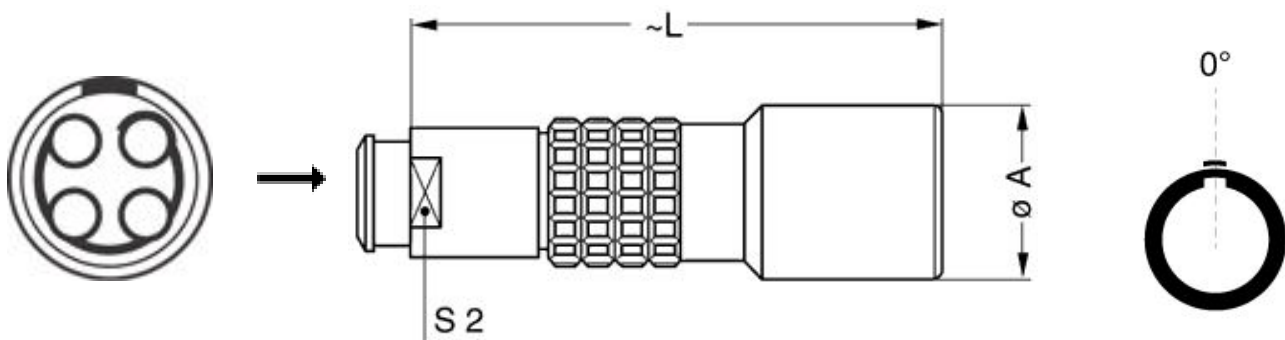
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R (max): 4.8 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -55°C / +200°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): 95 dB (10 MHz)
Shielding (min): 80 dB (1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

	A	L	S2
mm.	15	45	9
in.	0,59	1,77	0,35






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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	DCE.91.091.BVM
Extractor:	DCF.91.090.2LT
Replacement contact:	EGG.1B.660.ZZM
Spanner wrench:	DCD.1E.008.PA090

Cables

CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	
140240	PVC	Black	
140250	PVC	Grey	
40260	PVC	Black	
4221	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

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