

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series	1K
Termination type	Female crimp
IP rating	68
AWG wire size	20.00 - 18.00
Cable Ø	4.10 - 4.50 mm
Status	active
Matching parts	FGG.1K.302.CYCC45Z

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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	27.98 g

Performance

Configuration	1K.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 mm ² (AWG 20)
Max. Conductor: 1 mm ² (AWG 18)

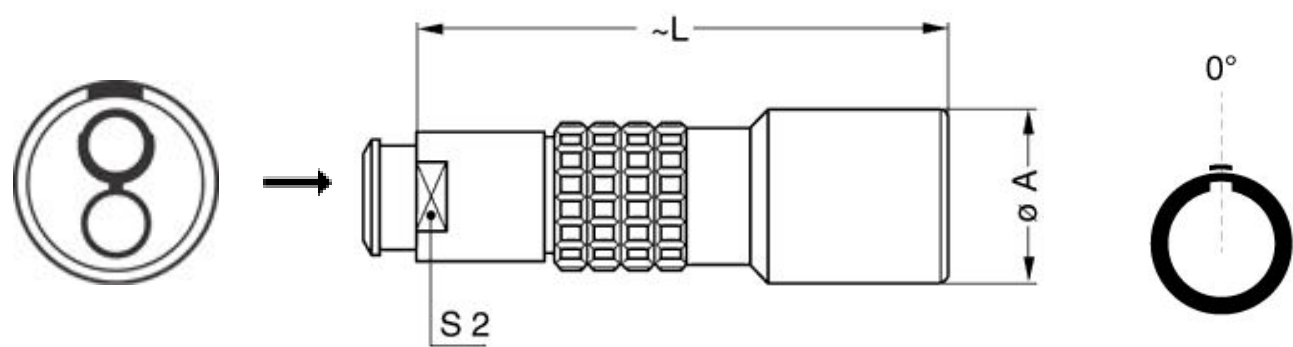
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R (max): 3.6 mOhm
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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 = 18-20/8-7
- Positionner: [DCE.91.131.BVM](#)
- Extractor: [DCF.91.131.2LT](#)
- Replacement contact: EGG.1B.665.ZZM
- Spanner wrench: [DCD.1E.008.PA090](#)

Cables

120250	PVC	Grey	
20260	PVC	Black	

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