

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	4K
Termination type	Female crimp
IP rating	68
AWG wire size	16.00 - 12.00
Cable Ø	10.60 - 12.00 mm
Status	active
Matching parts	FGG.4K.307.CYCC11Z

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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	163.79 g

Performance

Configuration	4K.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	20 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)

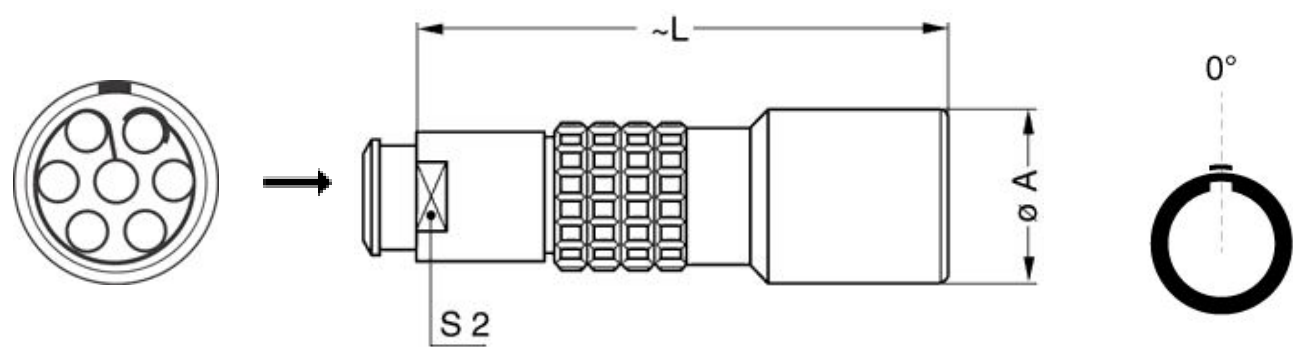
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R (max): 3.3 mOhm
Vtest (contact-shell): 1350 V (AC), 1910 V (DC)
Vtest (contact-contact): 1500 V (AC), 2150 V (DC)

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.	29	75.5	19
in.	1,14	2,97	0,75

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Tools

Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 12-14-16/8-7-6
Positionner:	DCE.91.204.BVCM
Extractor:	DCC.91.202.5LA
Replacement contact:	EGG.4B.675.ZZM
Spanner wrench:	DCD.4E.050.PA190

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