

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

Series 5K
Termination type Female crimp
IP rating 68
AWG wire size 18.00 - 14.00
Cable Ø 13.60 - 14.50 mm
Status **obsolete**

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug, cable collet, gasket and O-ring in EPDM
Keying 2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Housing Material Special housing (see notes for details)
Variant E : Gasket and O-ring in EPDM
Weight 416.35 g

Performance

Configuration 5K.316 : 16 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 12 Amps

Specifications

Contact Type: Crimp
Contact Retention: 65 N
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 1.9 mm (0.075in)
Min. Conductor: 1 mm² (AWG 18)
Max. Conductor: 1.5 mm² (AWG 14)
R (max): 3.3 mOhm

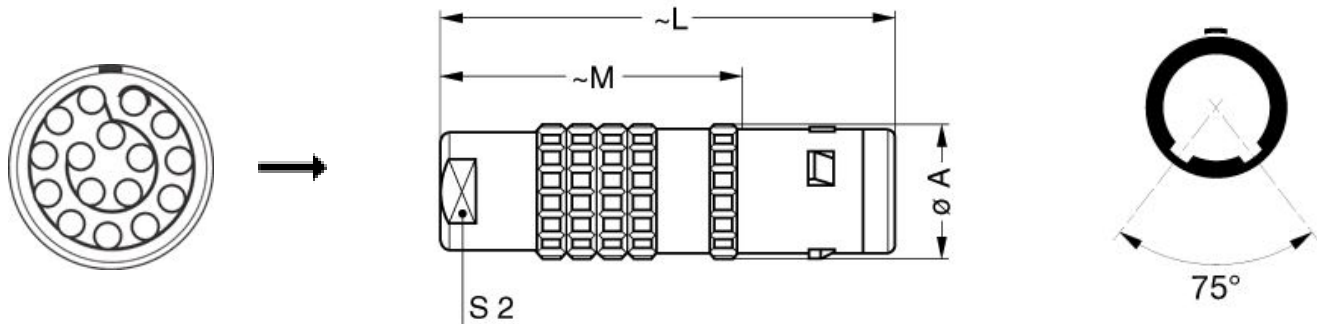
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Vtest (contact-shell): 3050 V (AC), 4310 V (DC)
Vtest (contact-contact): 2450 V (AC), 3470 V (DC)

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)

DRAWINGS



Dimensions

	A	L	M	S2
mm.	38	92	67	30
in.	1,50	3,62	2,64	1,18

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.101.A](#)
Crimp settings: AWG/Selector = 12-14/7-6-5
Positionner: [DCE.91.205.BVCM](#)
Extractor: [DCC.91.202.5LA](#)
Replacement contact: EGG.5B.676.ZZM

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