

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	3K
Termination type	Male crimp
IP rating	68
AWG wire size	18.00 - 14.00
Cable Ø	10.60 - 12.00 mm
Status	active
Matching parts	EGG.3K.307.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with oversize cable collet
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
Weight	107.28 g

Performance

Configuration	3K.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	15 Amps

Specifications

Contact Type: Crimp
Contact Retention: 50 N
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.9 mm (0.075in)
Min. Conductor: 1 mm² (AWG 18)
Max. Conductor: 1.5 mm² (AWG 14)
R (max): 3.5 mOhm
Vtest (contact-shell): 2050 V (AC), 2900 V (DC)

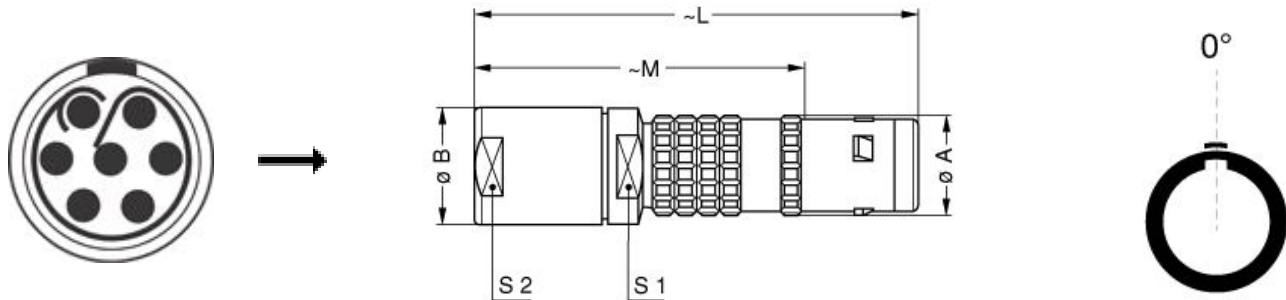
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Vtest (contact-contact): 2000 V (AC), 2850 V (DC)

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	B	L	M	S1	S2
mm.	19	22	85	65	19	19
in.	0,75	0,87	3,35	2,56	0,75	0,75

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 14-16-18/7-6-5
Positionner:	DCE.91.163.BVCM
Extractor:	DCF.91.163.5LT
Replacement contact:	FGG.3B.570.ZZC
Spanner wrench:	DCD.3E.030.PA150
Caps:	BFG.3K.100.NAS

Cables