

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series	2K
Termination type	Male crimp
IP rating	68
AWG wire size	16.00 - 12.00
Cable Ø	8.10 - 8.50 mm
Status	active
Matching parts	EGG.2K.302.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, 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

Performance

Configuration	2K.302 : 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	25 Amps

Specifications

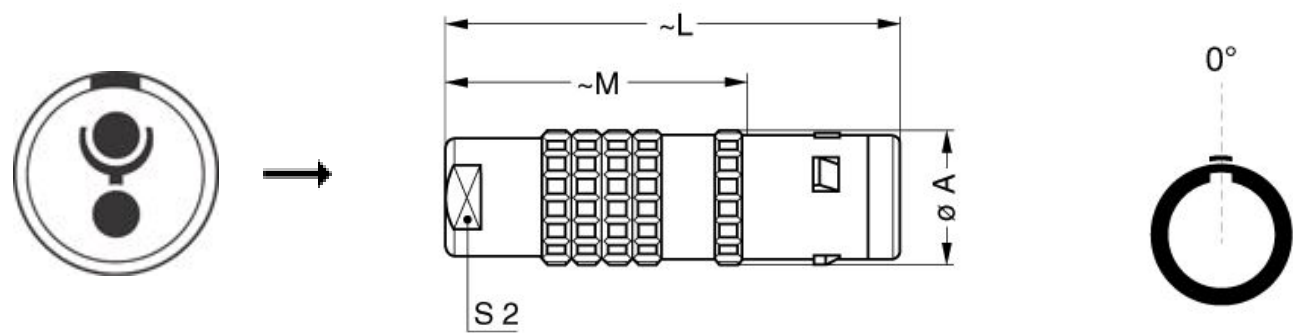
Contact Type: Crimp
Contact Retention: 65 N
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 2.4 mm (0.094in)
Min. Conductor: 1.5 mm ² (AWG 16)
Max. Conductor: 2.5 mm ² (AWG 12)
R (max): 3.3 mOhm
Vtest (contact-shell): 2700 V (AC), 3820 V (DC)
Vtest (contact-contact): 2850 V (AC), 4030 V (DC)

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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	M	S2
mm.	16	52	36	12
in.	0,63	2,05	1,42	0,47

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.101.A](#)
Crimp settings: AWG/Selector = 12-14-16/8-7-6

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Positionner:	<u>DCE.91.202.BVCM</u>
Extractor:	<u>DCC.91.202.5LA</u>
Replacement contact:	FGG.2B.575.ZZC
Spanner wrench:	<u>DCD.2E.020.PA120</u>
Caps:	<u>BFG.2K.100.NAS</u>

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