

## SUMMARY

### # Wires



*Image is for illustrative purpose only*

Series	2K
Termination type	Male crimp
IP rating	68
AWG wire size	32.00 - 28.00
Cable Ø	4.60 - 5.00 mm
Status	active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, 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	42.08 g

### Performance

Configuration	2K.310 : 10 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	8 Amps

### Specifications

Contact Type:	Crimp
Contact Retention:	30 N
Contact Dia.:	0.9 mm (0.035in)
Bucket Dia.:	0.45 mm (0.018in)
Min. Conductor:	0.035 mm <sup>2</sup> (AWG 32)
Max. Conductor:	0.09 mm <sup>2</sup> (AWG 28)

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R (max): 4.8 mOhm

Vtest (contact-shell): 2100 V (AC), 2970 V (DC)

Vtest (contact-contact): 1800 V (AC), 2550 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]

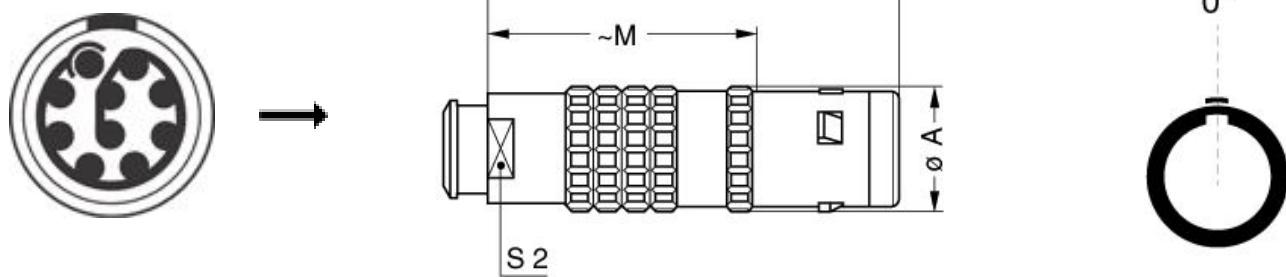
Climatical Category: 50/175/21

Shielding (min): 95 dB (10 MHz)

Shielding (min): 80 dB (1 GHz)

Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

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

## RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#"><u>DPC.91.701.V</u></a>
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	<a href="#"><u>DCE.91.092.AVC</u></a>
Extractor:	<a href="#"><u>DCF.91.090.2LT</u></a>
Replacement contact:	FGG.2B.562.ZZC
Spanner wrench:	<a href="#"><u>DCD.2E.020.PA120</u></a>
Caps:	<a href="#"><u>BFG.2K.100.NAS</u></a>

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