

## SUMMARY

### # Wires

Low voltage	1
Thermocouple	2



*Image is for illustrative purpose only*

Series	1K
Termination type	Thermocouple
IP rating	68
AWG wire size	28.00 - 20.00
Cable Ø	6.10 - 6.50 mm
Status	active

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, cable collet, gasket and O-ring in EPDM
Keying	2 keys (alpha=30, 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	E : Gasket and O-ring in EPDM
Weight	24.72 g

### Performance

Configuration	1K.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	12 Amps

### Specifications

ThC. Materials (P+/N-): Chromel / Alumel

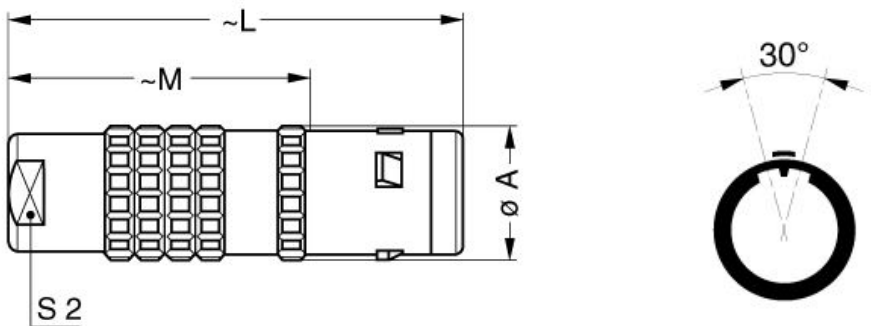
### Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -55°C / +200°C

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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.	13	42	28	9
in.	0,51	1,65	1,10	0,35

## RECOMMENDED BY LEMO

### Tools

- Positionner: [DCE.91.131.BVM](#)
- Extractor: [DCF.91.131.2LT](#)
- Spanner wrench: [DCD.1E.008.PA090](#)

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