

## Summary

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Thermocouple	6
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	1K
Matching parts	<a href="#">EGG.1K.306.CYK</a>
Series	K - Outdoor keyed

## Technical details

### Electrical Configuration

Thermocouple	6
Insert configuration value	1K.306 - 6 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 Amps
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Standard

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fhg-1k-306-cykc50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fhg-1k-306-cykc50.html)

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## Form & Material

Shell style / Model id	FH - Elbow plug, cable collet
Plug	Elbow
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	38.01 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental protection (IP rating)	IP68
Minimal temperature	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

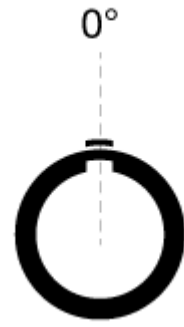
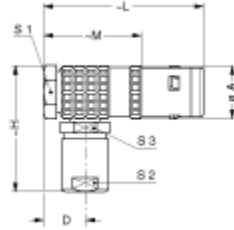
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

# Drawings

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fhg-1k-306-cykc50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fhg-1k-306-cykc50.html)

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## Dimensions

	<b>S3</b>	<b>A</b>	<b>D</b>	<b>H</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>
mm.	10	14	8.8	33	43	29	12	9
in.	0.39	0.55	0.35	1.3	1.69	1.14	0.47	0.35

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