



## Summary

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Thermocouple	2
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	0K
Matching parts	<a href="#">FGG.0K.302.CLKC50</a>
Alternative part	<a href="#">PHG.0K.302.CLKK50</a>
Series	K - Outdoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-0k-302-clkc50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-0k-302-clkc50.html)

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## Electrical Configuration

Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	0K.302/ThC - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 Amps
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.9
Wire Size/AWG	28 - 20
Gender	Standard

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet
Socket / Receptacle	Free
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	13.95 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-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

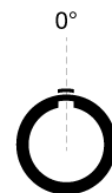
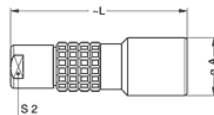
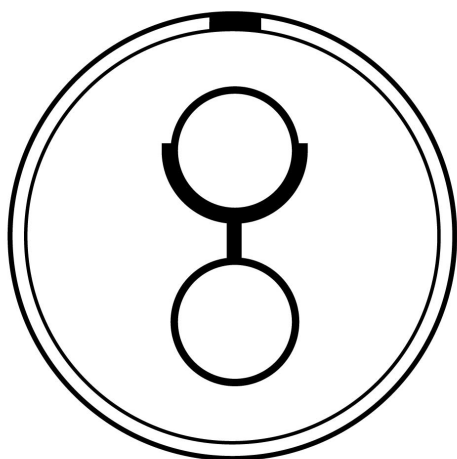
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## Cable fixation

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

## Drawings



Contact 1: Chromel (+)  
Contact 2: Alumel (-)

## Dimensions

	<b>S2</b>	<b>L</b>	<b>A</b>
mm.	8	34	13
in.	0.31	1.34	0.51

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