



*Image for illustrative purpose only*

## Summary

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Nb of contacts Thermocouple	6
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.60 - 6.00 mm
Size	1T
Suggested matching part	<a href="#">EGG.1T.306.CYK</a>
Series	T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-306-cykc60.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-306-cykc60.html)

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# Technical details

## Electrical Configuration

Nb of contacts Thermocouple	6
Contact Termination Thermocouple	Crimp
Insert configuration value	1T.306 - 3 Thermocouple Pairs
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
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
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey

## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Resistance to vibration	15 g [10 Hz - 2000 Hz]
Shock Resistance	100 g [ 6 ms]
Salt Spray Corrosion	>1000 hr

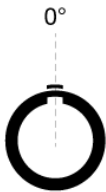
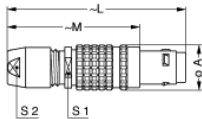
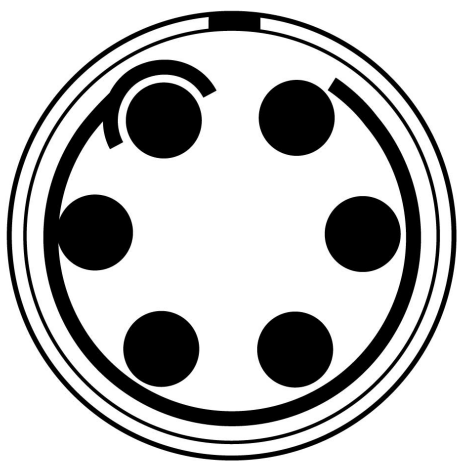
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.60 - 6.00 mm

Drawings



Contact 1, 3, 5: Chromel (+)  
Contact 2, 4, 6: Alumel (-)

Dimensions

	A	L	M	S1	S2
mm.	12	46	35	11	9
in.	0.47	1.81	1.38	0.43	0.35

Recommended By Lemo

Accessories

Compatible cap [BFG.1T.100.CAS](#)

Tools

Spanner [DCP.0T.110.TN](#)

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