

Standard

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[BKT series](#)

Number of contacts Low Voltage	12
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 4.50 mm
Size	2T
Suggested matching part	<a href="#">EGG.2T.312.CYM</a>
Series	T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	2T.312 - 12 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	2.3 kV (DC)
Vtest (contact-shell)	2.9 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief
Weight	33.59 g

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

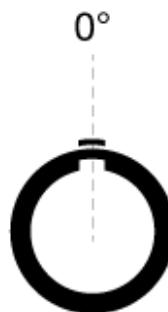
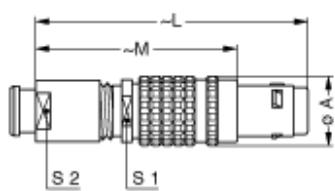
## Environment

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.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.10 - 4.50 mm

## Drawings



## Dimensions

A	L	M	S1	S2
mm.	15	54	42	14
in.	0.59	2.13	1.65	0.55

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Recommended By Lemo

## Accessories

---

Replacement contact	FGG.2B.555.ZZC
Compatible cap	BFG.2T.100.CAS

## Tools

---

Spanner	DCP.2T.110.TN
Positionner	DCE.91.072.BVC
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPG.91.701.V

## CAD

### Documents

---

Eplan	<a href="#">Download</a>
-------	--------------------------

## Cables

---

Cable PartNumber	Material	Colour	Cable image
12050	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-312-cycc45z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.