



## Summary

---

[Request a quote](#)

---

[Catalog](#)

Number of contacts Low Voltage	3
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	0K
Matching parts	<a href="#">EGG.0K.303.CYM</a>
Series	K - Outdoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.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.

## Electrical Configuration

---

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	0K.303 - 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	8 Amps
Vtest (contact-contact)	1700 V (AC), 2400 V (DC)
Vtest (contact-shell)	1600 V (AC), 2300 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	3
Wire Size/AWG	24 - 20
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, 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)
Variant	Nut for fitting a bend relief
Weight	13.17 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.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	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

## Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

## Recommended By Lemo

### Accessories

Replacement contact	<a href="#">FGG.0B.560.ZZC</a>
Compatible cap	<a href="#">BFG.0K.100.NAS</a>

### Tools

Positionner	<a href="#">DCE.91.090.BVC</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.0E.ZZZ.PA070</a>

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.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.

# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T20.049PGZE		grey	
CMN.03.T20.049PNZE			
130240	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-303-cycc50z.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.