

Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	3
Wire Size/AWG	16 - 12
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.60 - 8.00 mm
Size	3K
Suggested matching part	EGG.3K.303.CYM
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-cycc80z.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

Contact Termination Low voltage	Crimp
R (max)	3.3 mOhm
Insert configuration value	3K.303 - 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	25 A
Vtest (contact-contact)	3200 V (AC), 4530 V (DC)
Vtest (contact-shell)	2650 V (AC), 3750 V (DC)
Contact retention	65 N
Contact Type	Crimp
Max. Conductor	2.5 mm ² (AWG 12)
Min. Conductor	1.5 mm ² (AWG 16)
Bucket Dia.	2.4 mm (0.094in)
Contact Dia.	2 mm (0.079in)
Number of contacts Low Voltage	3
Wire Size/AWG	16 - 12
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable adapter 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)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	68.05 g

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-cycc80z.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.

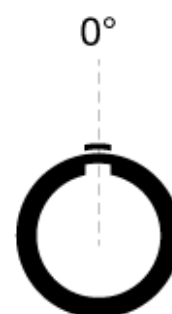
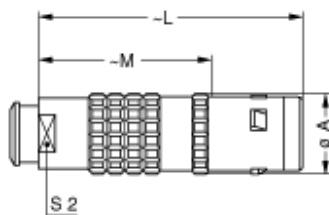
Environment

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]	7.60 - 8.00 mm

Drawings



Dimensions

	M	L	A	S 2
mm.	40	60	19	15
in.	1.57	2.36	0.75	0.59

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-cycc80z.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.3B.575.ZZC
---------------------	--------------------------------

Compatible cap	BFG.3K.100.NAS
----------------	--------------------------------

Tools

Positionner	DCE.91.203.BVCM
-------------	---------------------------------

Extraction tool	DCC.20.25B.LAG
-----------------	--------------------------------

Crimp tool	DPC.91.101.A
------------	------------------------------

Spanner wrench	DCD.3E.ZZZ.PA150
----------------	----------------------------------

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T14.078PGCE			
330150	PVC	Grey	

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-cycc80z.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.