

Standard

*Image for illustrative purpose only*

Summary

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

Number of contacts Low Voltage	3
Wire Size/AWG	20 - 18
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M16
Jacket cable outside diameter [mm]	1.00 - 14.60 mm
Size	1K
Suggested matching part	FGL.1K.303.CYMK80
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-1k-303-cyc.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	3
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	3.6 mOhm
Insert configuration value	1K.303 - 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 A
Test voltage contact-contact	2.3 kV DC
Test voltage contact-shell	2.6 kV DC
Contact retention	40 N
Max. Conductor	1 mm ² (AWG 18)
Min. Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1.4 mm (0.055 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	20 - 18
Gender	Reverse Gender

Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
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	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	19.12 g
Panel Drill Hole	M16

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-1k-303-cyc.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 (max. temperature valid for short periods of use.)
Climatic 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

Jacket cable outside diameter [mm]	1.00 - 14.60 mm
------------------------------------	-----------------

Recommended By Lemo

Contacts

Replacement contact	FGG.1B.565.ZZC
---------------------	--------------------------------

Caps

Compatible cap	BRE.1K.200.NAS
----------------	--------------------------------

Cap 2	BRE.1K.200.CAS
-------	--------------------------------

Tools

Spanner 2	DCM.65.176.AZ6
-----------	--------------------------------

Positionner	DCE.91.131.BVC
-------------	--------------------------------

Extraction tool	DCC.13.15B.LAG
-----------------	--------------------------------

Crimp tool	DPC.91.701.V
------------	------------------------------

Spanner wrench	Socket for torque wrench DCM.1E.M16.6
----------------	---

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-1k-303-cyc.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.T18.055PGZE		grey	
CMN.03.T18.055PNZE			
CMN.03.T18.055QGZE	TPR (medical)	Grey	
CMN.03.T20.049PGZE		grey	
CMN.03.T20.049PNZE			
CMN.03.T28.031PGCE	PVC	GREY	
CMN.03.T28.031PGZE		grey	
CMN.03.T28.031PNCE	PVC	Black	
CMN.03.T28.031PNZE			
130240	PVC	Black	
130250	PVC	Grey	
230500	PVC	Grey	
230750	PVC	Grey	
30110	PVC	Grey	
30141	PVC	Grey	
30260	PVC	Black	
3041	PVC	Grey	
3050	PVC	Black	
3081	PVC	Black	
3220	PVC	Black	

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-1k-303-cyc.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.

Cable PartNumber	Material	Colour	Cable image
3280	PVC	Black	
60080	PVC	Grey	

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-1k-303-cyc.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.