



Image for illustrative purpose only

## Summary

[Request a quote](#)

[Catalog](#)

Nb of contacts Fiber optic	2
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Size	3K
Suggested matching part	<a href="#">FGG.3K.93R.CLAT90Z</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-cllt90z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-cllt90z.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

Nb of contacts Fiber optic	2
Contact Termination Fiber optic	Solder
Insert configuration value	3K.93R - 2 FO Type F2, 16 LV
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5.5 A
Fiber Optic Contact	Type F2 (must be ordered separately)
Vtest (contact-contact)	800 V (AC), 1130 V (DC)
Vtest (contact-shell)	700 V (AC), 990 V (DC)
Contact Type	Solder
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	96.18 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-cllt90z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-cllt90z.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.

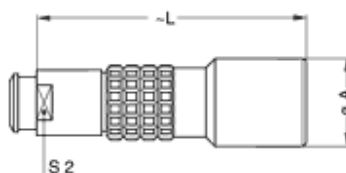
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-40°C / +80°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	T type cable adapter

## Drawings



## Dimensions

	A	L	S2
mm.	23	64	15
in.	0.91	2.52	0.59

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-cllt90z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-cllt90z.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

---

Compatible cap

[BRF.3K.200.NAS](#)

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-clt90z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-3k-93r-clt90z.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.