

# LKS 19 Pin

The LKS range has been designed for professional lighting and power distribution applications. While maintaining full compatibility with Socapex SL 419 series, LKS connectors represent a significant breakthrough in reliability and safety. Based on the LK Series MIL-SPEC designs, these connectors are extremely robust, IP rated and available with impact resistant rubber locking rings.



The **LKS** connectors range represents a real breakthrough in terms of reliability and safety.



### UL-CSA

The highest UL-CSA Rating obtained with a rubber insert: UL Recognized for 25A of continuous current (20A CNR). The exclusive rubber silk-screened insert provides for easy and secure pin insertion while maintaining the highest continuous current ratings.

The gold plated contacts with retaining spring pins ensure reliable mating every time.

- Screw coupling connector
- Fully compatible with Socapex SL 419 series
- Ground first contact
- Gold plated machined pins accepting conductors from 1.5 to 4 mm<sup>2</sup>
- Dual ground rings
- Plastic insulating sleeve
- Body ground fulfilling UL & NEC requirements
- IP67 rated when mated
- Interchangeable locking rings
- Wide range of cable strain reliefs
- Anti spinning system

### Options

- Tulip/retention spring pins
- Long backshell (standard in Spider version)
- Integrated locking ring set screw (standard in Spider version)
- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps
- Fast LinkLock backshell



### FAST LINKLOCK BACKSHELL

Secure locks and quickly unlocks with a 1/4 turn every time, time after time. Only available in machined version.



### LOCKING SET SCREW

With a captive Helicoil retention system guarantees connector integrity in the harshest touring applications.



### LKS 19 PIN SPIDER

The LKS 19 pin spider connector maintains the width of the PG29 and guarantees secure fan out terminations with a highly resistant strain relief.



### ANTI-SPINNING SYSTEM

A new internal head design incorporating an innovative keying solution ensures that rubber inserts are secured and will not spin.

# LKS 19 Pin

## LKS Ordering Code

Version	
Die cast aluminium	D
Machined aluminium	M

Connector Type	
Cable male solder	LMS
Cable male crimp	LMC
Cable female solder retention tulip	LFSR
Cable female solder tulip	LFST
Cable female crimp retention tulip	LFCSR
Cable female crimp tulip	LFCT
Panel male solder	PMS
Panel male crimp	PMC
Panel female solder retention tulip	PFSR
Panel female solder tulip	PFST
Panel female crimp retention tulip	PFCSR
Panel female crimp tulip	PFCT

LKS

Locking ring	
Without ring	
Aluminium black painted	PA
Aluminium black rubberized	RA
Aluminium colored rubberized	R*
Aluminium black anodized	A
Aluminium colored anodized	**
Long aluminium black painted	LPA
Long aluminium black rubberized	LRA
Long alum. colored rubberized	LR*
Long alum. black anodized	LA
Long alum. colored anodized	L**

Items subject to Minimum Order Qty

*	<b>B</b>	<b>R</b>	<b>G</b>	<b>Y</b>	<b>GR</b>
	Blue	Red	Green	Yellow	Grey
**	<b>B</b>	<b>R</b>	<b>G</b>	<b>Y</b>	<b>S</b>
	Blue	Red	Green	Yellow	Silver

Backshell version	
Aluminium PG29	M29
Aluminium PG36	M36
Aluminium PG42	M42
Aluminium long version PG29	L29
Aluminium long version PG36	L36
Aluminium for six way cable relief	MS
Aluminium metric thread M40	M40
Set screw version: add	X

Shell & Backshell version	
Black painted	B
Black anodized	A
Colored anodized	A**

Special Version	
No special version	
PCB common ground	CG

Cable relief	
Plastic PG29	1
Plastic PG36	2
Plastic PG42	3
Aluminium (silver) w/ stainless mesh PG29	4S
Aluminium (silver) w/ stainless mesh PG36	5S
Rubber six way x 1,5 mm cable	S1
Rubber six way x 2,5 mm cable	S2
Plastic M40 x 1,5	6
Plastic M40 x 1,5 R	6R

*New 1/4 turn lock shell/backshell available on request*



### Tulip Pins

The conventional 4 blade tulip style provides ample contact surface area for maximum conduction.



### Retention Spring Pins

The enhanced spring pin provides the maximum surface area of a conventional tulip pin with the added benefit of a stainless steel spring clip.



### Serviceable Plastic Insulating Sleeve

Easily installed or removed once terminations are completed. They provide a reliable insulation between the connector housing and internal conductors.



### Durable Backshell

Available in two lengths for ultimate serviceability.



### Grounding PCB

Grounding PCB ensures a safe and reliable connection to all pins.

The anodized aluminium version is available in multiple colors (see color table above).

## Accessories

Dust cap



For connectors:  
**LKS 19 TPM** with locking ring  
**LKS 19 TPF** without locking ring

Ground ring



**LKS GD A**  
Enables the equipotential connection of the 7 ground contacts.

Rubber locking ring



**LKS 32 RA\*** For LKS  
Items subject to Minimum Order Qty

*	<b>B</b>	<b>R</b>	<b>G</b>	<b>Y</b>	<b>GR</b>
	Blue	Red	Green	Yellow	Grey

Robust strain relief



PG29 and PG36 configurations, with two size spider grips for fan in/out. Optional PG42, M40 or mesh cable gland are also available.

