



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	30
Wire Size/AWG	22 - 14
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.00 - 45.60 mm
Size	6S
Suggested matching part	<a href="#">FFA.6S.330.CLAC20</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/hgp-6s-330-cllkv.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/hgp-6s-330-cllkv.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	30
Contact Termination Low voltage	Solder
Insert configuration value	6S.330 - 30 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Test voltage (kV DC)	3
Bucket Dia.	1.8
Contact Dia.	2
Wire Size/AWG	22 - 14

## Form & Material

Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Hermaphroditic keying (half moon insert) with female pin 1
Colour	Grey

## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-20°C / +80°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
R leak (He) (max)	0.0000001 mbar*/l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/hgp-6s-330-cllkv.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/hgp-6s-330-cllkv.html)

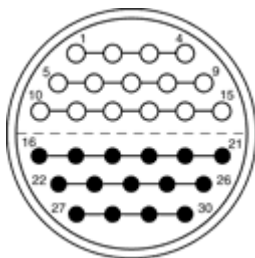
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Cable fixation

Jacket cable outside diameter [mm]

5.00 - 45.60 mm

## Drawings



## Recommended By Lemo

### Accessories

Compatible cap

[BRE.6S.200.NAS](#)

## Cables

Cable PartNumber	Material	Colour	Cable image
CMN.30.T22.087PGCE	PVC	GREY	
CMN.30.T22.087PGZE		grey	
CMN.30.T22.087PNCE	PVC	Black	
CMN.30.T22.087PNZE			
330240	PVC	Black	
330260	PVC	Black	
430250	PVC	Grey	

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/hgp-6s-330-cllkv.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/hgp-6s-330-cllkv.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.