

[Standard](#)

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[high voltage connector Y S E 05 LEMO](#)[Customer Drawing](#)

Number of contacts High Voltage	2
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.30 - 8.70 mm
Size	3S
Suggested matching part	<a href="#">PSA.3S.432.CTLC87</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-432-ctac87.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-432-ctac87.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 High Voltage	2
Contact Termination High voltage	Solder
Insert configuration value	3S.432 - 2 High Voltage
Footprint IPC Class3 compatibility	No
Insulator	T: PTFE
Rated current	16 A
Test voltage (kV DC)	4.5

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
Plug	Straight
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 male pin 1
Colour	Grey
Weight	53 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
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]
Salt Spray Corrosion	>1000 hr

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-432-ctac87.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-432-ctac87.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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.30 - 8.70 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.3B.100.PCSG</a>
----------------	---------------------------------

## Tools

Spanner	<a href="#">DCP.91.023.TN</a>
Spanner wrench	<a href="#">DCP.91.023.TN</a>

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-432-ctac87.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-432-ctac87.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.