

[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	1
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.20 - 3.20 mm
Size	0S
Suggested matching part	ERA.0S.403.CLL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffb-0s-403-clac32.html

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Technical details

Electrical Configuration

Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	0S.403 - 1 High Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4 A
Test voltage (kV DC)	6
Air clearance	6.8 mm
Creepage distance	7 mm
Contact Dia.	0.9
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	FFB - Straight plug, cable collet and safety locking ring
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	Circular, male
Colour	Grey
Weight	8.36 g

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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

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.20 - 3.20 mm

Recommended By Lemo

Caps

Compatible cap	BFG.0B.100.PCZG
Plastic Cap	BFG.0B.100.PCZG
Soft Cap	BFZ.0B.100.SCN

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