

[Standard](#)

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Summary

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high voltage connector Y S E 05 LEMO

Number of contacts High Voltage	1
Wire Size/AWG	18 - 10
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.80 - 10.50 mm
Size	3S
Suggested matching part	ERA.3S.405.CTA
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffb-3s-405-ctlc11.html

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Technical details

Electrical Configuration

Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	3S.405 - 1 High Voltage
Insulator	T: PTFE
Rated current	15 A
Test voltage (kV DC)	10.5
Air clearance	12.8 mm
Creepage distance	12.9 mm
Contact Dia.	4
Wire Size/AWG	18 - 10

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, female
Colour	Grey
Weight	58.55 g

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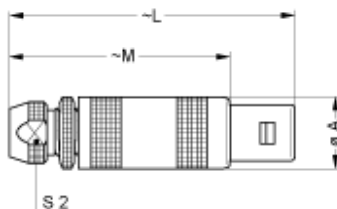
Environment

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]	9.80 - 10.50 mm

Drawings



Dimensions

	A	L	M	S2
mm.	17.8	65	50	14
in.	0.7	2.56	1.97	0.55

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Recommended By Lemo

Accessories	
Compatible cap	BFG.3B.100.PCSG
Tools	
Spanner wrench	DCP.91.023.TN