

[Standard](#)

Image for illustrative purpose only

Summary

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high voltage connector Y S E 05 LEMO

Number of contacts High Voltage	1
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Panel Drill Hole	M9
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0S
Suggested matching part	FFA.0S.403.CLAK52
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.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	T: PTFE
Rated current	4 A
Test voltage (kV DC)	6
Air clearance	6.8 mm
Creepage distance	7 mm
Contact Dia.	0.9 mm (0.035 in)
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	ERA - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
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	4.4 g
Panel Drill Hole	M9

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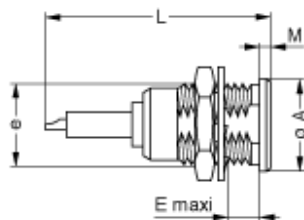
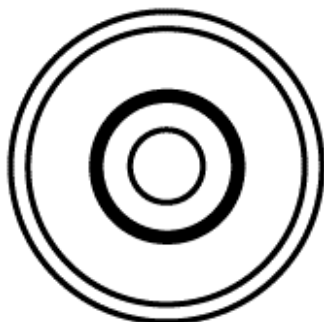
Environment

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

Jacket cable outside diameter [mm]	1.00 - 8.30 mm
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Drawings



Dimensions

	A	e	E	L	M
mm.	10	M9x0.6	7	25	1.2
in.	0.39		0.28	0.98	0.05

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Recommended By Lemo

Caps	
Compatible cap	BRE.0S.200.NAS
Cap 2	BRE.0S.200.NAV
Plastic Cap	BRA.0B.200.PCSG
Cap BRR	BRR.0B.200.BSG
Soft Cap	BEZ.0B.200.SCN