



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.20 - 4.20 mm
Size	1S
Suggested matching part	ERA.1S.304.CLL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-304-clac42.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

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1S.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Vtest	1200 V (AC), 1800 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm ² (AWG 22)
Air clearance	1.1 mm
Creepage distance	1.1 mm
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22

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	13.59 g

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-304-clac42.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.

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
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]
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]	3.20 - 4.20 mm

Recommended By Lemo

Accessories




Tools

Spanner wrench	DCD.1S.ZZZ.PA085
----------------	----------------------------------

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-304-clac42.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.

Cables

Cable PartNumber	Material	Colour	Cable image
40080	PVC	Black	
40086	PVC	Blue	
40140	PVC	Black	
40240	PTFE	White	
4260	PTFE	White	

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-304-clac42.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.