



Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	2
Wire Size/AWG	28 - 20
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.20 - 4.20 mm
Size	1S
Matching parts	FAA.1S.302.CLA
Series	S - Indoor Stepped Insert

Technical details

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-1s-302-clll42.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.

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	1S.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	15 Amps
Vtest	1200 V (AC), 1800 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Number of contacts Low Voltage	2
Wire Size/AWG	28 - 20

Form & Material

Shell style / Model id	PSA - Fixed receptacle, nut fixing, cable collet
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	Hermaphroditic keying (half moon insert) with female pin 1
Weight	15.71 g

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-1s-302-clll42.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.

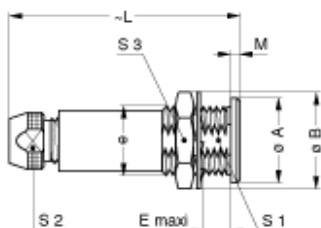
Environment

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

Drawings



Dimensions

	A	B	e	E	L	M	S1	S2	S3	C
mm.	14	16	M12x1.0	7.5	40.5	1.5	10.5	8.5	14	6.2
in.	0.55	0.63		0.3	1.59	0.06	0.41	0.33	0.55	0.24

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-1s-302-clll42.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.

Recommended By Lemo














Accessories

Tools

Spanner wrench

[DCD.1S.ZZZ.PA085](#)

Cables

Cable PartNumber	Material	Colour	Cable image
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2080	PVC	Grey	
2280	PVC	Black	

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-1s-302-cll42.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.