



Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	3S
Matching parts	FFA.3S.316.CLAC87
Series	S - Indoor Stepped Insert

Technical details

Electrical Configuration

Contact Termination Low voltage	PCB - Elbow
Insert configuration value	3S.316 - 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Vtest	1060 V (AC), 1500 V (DC)
Contact Type	Print (elbow)
Contact Dia.	0.9
Number of contacts Low Voltage	16
Wire Size/AWG	30 - 22

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ecp-3s-316-clv.html

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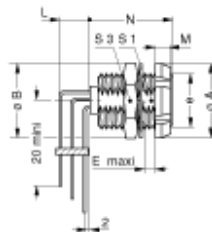
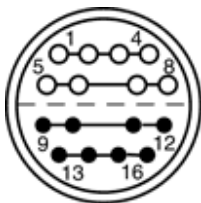
Form & Material

Shell style / Model id	ECP - Fixed receptacle with two nuts, long threaded shell, with elbow contacts for printed circuit (back panel mounting)
Socket / Receptacle	Fixed Panel Rear 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	31.52 g

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

Drawings



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Dimensions

	N	S1	e	A	B	S3	E	M
mm.	24	16.5	M18x1.0	24	25.2	22	14	4.5
in.	0.94	0.65		0.94	0.99	0.87	0.55	0.18

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