



Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	32 - 24
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 10.60 mm
Size	1S
Matching parts	FFA.1S.306.CLAC42
Series	S - Indoor Stepped Insert

Technical details

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/hgp-1s-306-cllpv.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1S.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 Amps
Vtest	1500 V (AC), 2100 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.25 mm ² (AWG 24)
Max. Stranded Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	6
Wire Size/AWG	32 - 24

Form & Material

Shell style / Model id	HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight
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
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	19.95 g

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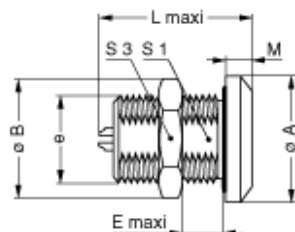
Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental protection (IP rating)	Hermetic unmated
Minimal temperature	-20°C / +100°C
Climatical Category	20/80/21
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]
Pressure	60 bars
R leak (He) (max)	0.0000001 mbar*/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

Cable fixation

Jacket cable outside diameter [mm]	1.00 - 10.60 mm
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Drawings



Dimensions

	A	B	e	E	L	M	S1	S3
mm.	20	19.2	M14x1.0	15.5	25	4	12.5	17
in.	0.79	0.76		0.61	0.98	0.16	0.49	0.67

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Recommended By Lemo

Accessories

Tools

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
106240	PTFE	White	
12080	PVC	Grey	
160140	PVC	Grey	
160260	PVC	Black	
260250	PVC	Grey	
60260	PTFE	White	
6280	PVC	Black	

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