

Summary

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Low Voltage	9
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Matching parts	FGG.0B.309.CLAD42
Series	B - Indoor keyed

Technical details

Electrical Configuration

Contact Termination Low voltage	PCB - Straight
R (max)	8.7 mOhm
Insert configuration value	0B.309/EXG - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.5 Amps
Test voltage contact-body shell	0.5 kV rms
Test voltage contact-contact	0.6 kV rms
Contact Type	Print (straight)
Contact Dia.	0.5 mm (0.02in)
Low Voltage	9
Gender	Standard

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-0b-309-hln.html

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Form & Material

Shell style / Model id	EX - Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting)
Socket / Receptacle	Elbow
Housing material	PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	11.11 g

Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	IP50
Minimal temperature	-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	>144 hr

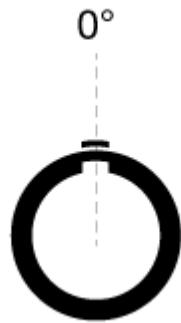
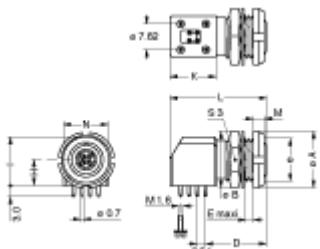
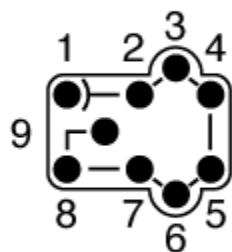
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

Drawings

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-0b-309-hln.html

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Dimensions

	A	B	D	e	E	H	I	K	L	M	N	S3
mm.	12	12.4	14.6	M9x0.6	4.5	6.7	12.6	13.3	25	2.5	11.7	11
in.	0.47	0.49	0.57		0.18	0.26	0.5	0.52	0.98	0.1	0.46	0.43

Recommended By Lemo

Accessories

Tools

Spanner wrench

Socket for torque wrench DCM.05.M09.4