

EGA.0B.309.CLL Datasheet



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DiGi Electronics Part Number	EGA.0B.309.CLL-DG
Manufacturer	LEMO
Manufacturer Product Number	EGA.0B.309.CLL
Description	CONN RCPT FEMALE 9P GOLD SLDR CUP
Detailed Description	9 Position Circular Connector Receptacle, Female Sockets Solder Cup

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Manufacturer Product Number:

EGA.0B.309.CLL

Series:

0B

Connector Type:

Receptacle, Female Sockets

Shell Size - Insert:

309

Mounting Type:

Panel Mount

Termination:

Solder Cup

Orientation:

A

Shell Material:

Brass

Contact Finish - Mating:

Gold

Ingress Protection:

IP50 - Dust Protected

Features:

-

Current Rating (Amps):

2A

Cable Opening:

-

Backshell Material, Plating:

-

Contact Finish Thickness - Mating:

59.0µin (1.50µm)

Applications:

-

Manufacturer:

LEMO

Product Status:

Active

Number of Positions:

9

Shell Size, MIL:

-

Mounting Feature:

Bulkhead - Rear Side Nut

Fastening Type:

Push-Pull

Primary Material:

Metal

Shell Finish:

Chrome

Color:

Silver

Material Flammability Rating:

UL94 V-0

Shielding:

Shielded

Voltage Rating:

-

Operating Temperature:

-55°C ~ 250°C

Contact Material:

Bronze

Insert Material:

Polyetheretherketone (PEEK)

Base Product Number:

EGA.0B

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.69.4020

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

EGA.0B.309.CLL



Image for illustrative purpose only

Summary

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Number of contacts Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0B
Suggested matching part	FGA.0B.309.CLAD52
Series	B - Indoor keyed

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

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Technical details

Electrical Configuration

Number of contacts Low Voltage	9
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.309 - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.6 kV (DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
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	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	4.44 g

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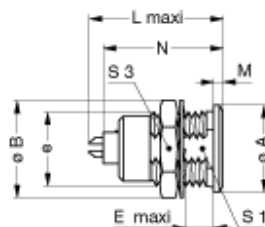
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Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
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

Jacket cable outside diameter [mm]	1.00 - 8.30 mm
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Drawings**Dimensions**

	B	e	L	M	N	S1	S3	E	A
mm.	12.5	M9x0.6	20.7	1.2	19.1	8.2	11	7	10
in.	0.49		0.81	0.05	0.75	0.32	0.43	0.28	0.39

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Recommended By Lemo

Accessories

Compatible cap [BRE.0S.200.NAS](#)

Tools

Spanner [DCA.91.161.1TN](#)

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.09.T28.050CNQZ			
CMN.09.T28.051PGZE		grey	
CMN.09.T28.051PNZE			
CMN.09.T28.051QGZE	TPR (medical)	Grey	

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