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## Summary

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Number of contacts Low Voltage	6
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	<a href="#">FGA.0B.306.CLAD52</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ega-0b-306-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ega-0b-306-cll.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Vtest (contact-contact)	850 V (AC), 1200 V (DC)
Vtest (contact-shell)	650 V (AC), 920 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.09 mm <sup>2</sup> (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Number of contacts Low Voltage	6
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	2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	4.27 g

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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>B</b>	<b>e</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>S1</b>	<b>S3</b>	<b>E</b>	<b>A</b>
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

<b>Accessories</b>	
Compatible cap	<a href="#">BRE.0S.200.NAS</a>
<b>Tools</b>	
Spanner	<a href="#">DCA.91.161.1TN</a>

## Cables

Cable PartNumber	Material	Colour	Cable image
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			
12080	PVC	Grey	
6280	PVC	Black	