



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	54
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 33.60 mm
Size	5B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ecb-5b-354-cym.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecb-5b-354-cym.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	54
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	5B.354 - 54 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	3.5 A
Vtest (contact-contact)	2.9 kV (DC)
Vtest (contact-shell)	3 kV (DC)
Contact retention	30 N
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts (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	B: 2 keys (alpha=45, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	495.67 g

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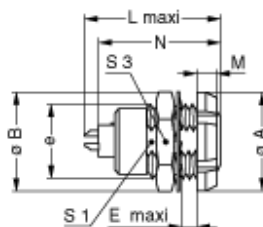
## Environment

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 (max. temperature valid for short periods of use.)
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]	4.00 - 33.60 mm
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## Drawings



## Dimensions

	<b>L</b>	<b>E</b>	<b>e</b>	<b>B</b>	<b>A</b>	<b>M</b>	<b>S1</b>	<b>N</b>
mm.	43.5	9	M35x1.0	40	41	5	33.5	39.6
in.	1.71	0.35		1.57	1.61	0.2	1.32	1.56

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# Recommended By Lemo

Accessories	
Replacement contact	<a href="#">EGG.5B.660.ZZM</a>
Compatible cap	<a href="#">BRE.5S.200.NAS</a>
Tools	
Positionner	<a href="#">DCE.91.095.BVM</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">Socket for torque wrench DCM.65.370.AZ</a>