



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	2
Protocol	1000 Base-T1 (1Gb/s)
Wire Size/AWG	30 - 26
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eag-0b-511-cls.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eag-0b-511-cls.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
Insert configuration value	0B.511 - SPE - 2 High Speed, Low Voltage (1000BASE-T1 (IEEE 802.3bp))
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	2.2
Vtest (contact-shell)	1.7
Number of differentiated pairs (High speed)	1
Protocol	1000 Base-T1 (1Gb/s)
Wire Size/AWG	30 - 26
Gender	Standard

## Form & Material

Shell style / Model id	EA - Fixed receptacle, nut fixing (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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	4.53 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eag-0b-511-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eag-0b-511-cll.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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]	1.00 - 8.30 mm
------------------------------------	----------------

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BRE.0S.200.NAS</a>
----------------	--------------------------------

## Tools

Spanner 2	<a href="#">DCM.65.106.AZ4</a>
Spanner wrench	<a href="#">Socket for torque wrench DCM.0S.M09.4</a>

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eag-0b-511-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eag-0b-511-cll.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.