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## Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 13.60 mm
Size	2B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/hcj-2b-318-clapv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hcj-2b-318-clapv.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	2B.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5.5 A
Vtest (contact-contact)	1.2 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
Gender	Reverse Gender

## Form & Material

Shell style / Model id	HC - Fixed receptacle, nut fixing, watertight or vacuum-tight (watertight when mated, 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	2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)
Colour	Grey
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	35.29 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)	Hermetic unmated
Endurance	5000 mating cycles
Temperature range	-20°C / +80°C
Climatical Category	20/80/21
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]
Pressure	40 bars
R leak (He) (max)	0.0000001 mbar*l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

## Cable fixation

Jacket cable outside diameter [mm]	2.00 - 13.60 mm
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# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BRE.2S.200.NAS</a>
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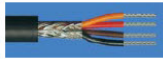
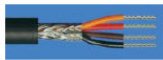

## Tools

Spanner 2	<a href="#">DCM.65.205.AZ6</a>
Spanner wrench	<a href="#">Socket for torque wrench DCM.2S.M19.6</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	

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