

Special



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Summary

[Request a quote](#)[BKT series](#)[Customer Drawing](#)

Number of contacts Low Voltage	19
Wire Size/AWG	32 - 28
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M15
Jacket cable outside diameter [mm]	2.00 - 13.60 mm
Size	2B
Suggested matching part	FGJ.2B.319.CYPD52

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecj-2b-319-cyb.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	19
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	2B.319 - 19 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	5 A
Test voltage contact-contact	2.2 kV DC
Test voltage contact-shell	2.3 kV DC
Contact retention	22 N
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035 mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	32 - 28
Gender	Reverse Gender

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	2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	15.77 g
Panel Drill Hole	M15

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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.)
Climatic Category	55/175/21
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]	2.00 - 13.60 mm

Recommended By Lemo

Contacts

Replacement contact	FGG.2B.556.ZZC
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Caps

Compatible cap	BRE.2S.200.NAS
Cap 2	BRE.2S.200.NAV
Plastic Cap	BRA.2B.200.PCSG
Soft Cap	BEZ.2B.200.SCN

Tools

Spanner 2	DCM.65.176.AZ6
Positionner	DCE.91.072.BVC
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6

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