

Special



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Summary

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[BKT series](#)

[See video assembly instructions](#)

[Customer Drawing](#)

Number of contacts Low Voltage	12
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	12.10 - 13.50 mm
Size	4B

Series

B - Indoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	3.6 mOhm
Insert configuration value	4B.312 - 12 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 A
Test voltage contact-contact	2.7 kV DC
Test voltage contact-shell	2.6 kV DC
Contact retention	40 N
Max. Conductor	1 mm ² (AWG 18)
Min. Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1.4 mm (0.055 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	20 - 18
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
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	118.08 g

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-312-cycd13.html

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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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	12.10 - 13.50 mm

Recommended By Lemo

Contacts

Replacement contact	FGG.4B.565.ZZC
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Caps

Compatible cap	BFG.4B.100.NAS
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Tools

Spanner	DCP.91.045.TN
Positionner	DCE.91.134.BVC
Extraction tool	DCC.13.15B.LAG
Crimp tool	DPC.91.701.V

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