

Standard



Image for illustrative purpose only

Summary

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[BKT series](#)

[See video assembly instructions](#)

Number of contacts Low Voltage	8
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.30 - 10.00 mm
Size	3B
Suggested matching part	EGG.3B.308.CYM
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-308-cycd10z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	3.6 mOhm
Insert configuration value	3B.308 - 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	13 A
Test voltage contact-contact	2.6 kV DC
Test voltage contact-shell	2.5 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 adapter and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief

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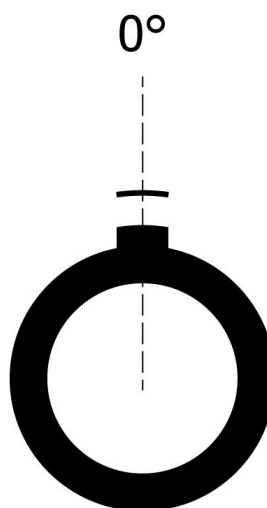
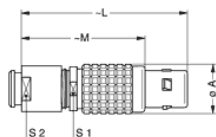
Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	9.30 - 10.00 mm

Drawings

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Dimensions

	S1	M	L	S2	A
mm.	15	41.5	56.5	15	18
in.	0.59	1.63	2.22	0.59	0.71

Recommended By Lemo

Contacts

Replacement contact [FGG.3B.565.ZZC](#)

Caps

Compatible cap [BFG.3B.112.NAS](#)

Plastic Cap [BFG.3B.100.PCSG](#)

Soft Cap [BFZ.3B.100.SCN](#)

Bend Reliefs

[GMA.3B.090.DG](#) [GMA.3B.090.DA](#) [GMA.3B.090.DB](#)

[GMA.3B.090.DJ](#) [GMA.3B.090.DM](#) [GMA.3B.090.DN](#)

[GMA.3B.090.DR](#) [GMA.3B.090.DS](#) [GMA.3B.090.DV](#)

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Tools

Spanner	DCP.91.023.TN
Positionner	DCE.91.133.BVC
Extraction tool	DCC.13.15B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.3B.ZZZ.PA150

Cables

Cable PartNumber	Material	Colour	Cable image
380750	PVC	Grey	

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