

Special



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Summary

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BKT series

Number of contacts Low Voltage	4
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.10 - 7.50 mm
Size	1K
Suggested matching part	EGG.1K.304.CYM
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-304-cyck75z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	4.8 mOhm
Insert configuration value	1K.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	10 A
Test voltage contact-contact	2.4 kV DC
Test voltage contact-shell	2.6 kV DC
Contact retention	30 N
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043 in)
Contact Dia.	0.9 mm (0.035 in)
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	24 - 20
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug with oversize cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass 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, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

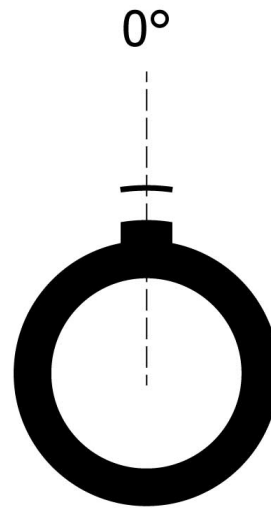
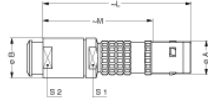
Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.10 - 7.50 mm

Drawings

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Dimensions

	A	B	L	M	S1	S2
mm.	13	14	60	46	12	12
in.	0.51	0.55	2.36	1.81	0.47	0.47

Recommended By Lemo

Contacts

Replacement contact [FGG.1B.560.ZZC](#)

Caps

Compatible cap [BFG.1K.100.NAS](#)

Bend Reliefs

[GMA.2B.070.DG](#) [GMA.2B.070.DA](#) [GMA.2B.070.DB](#)

[GMA.2B.070.DJ](#) [GMA.2B.070.DM](#) [GMA.2B.070.DN](#)

[GMA.2B.070.DR](#) [GMA.2B.070.DS](#) [GMA.2B.070.DV](#)

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Tools

Spanner	DCP.91.023.TN
Positionner	DCE.91.091.BVC
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.1E.ZZZ.PA090

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