

Standard

*Image for illustrative purpose only*

Summary

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BKT series

Number of contacts Low Voltage	7
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 4.70 mm
Size	0B
Suggested matching part	EGG.0B.307.CLL
Alternative part	FSG.0B.307.CLAK52
Series	B - Indoor keyed

https://www.lemo.com/int_en/catalog/product/view/id/431169/s/fsg-0b-307-clad52/category/23/

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	FS - Adjustable right angle Anglissimo plug (8 selective positions) with cable collet
Plug	Elbow
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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Gray
Weight	11.24 g

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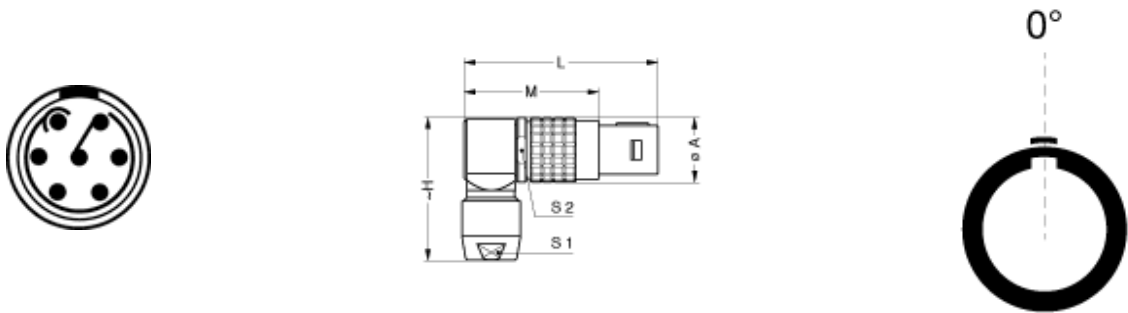
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	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
Note	Cable diameter is specific for Anglissimo to enable easy termination of connector

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 4.70 mm

Drawings



Dimensions

	A	H	L	M	S1	S2
mm.	10	22.4	30.3	20.2	7	9
in.	0.39	0.88	1.19	0.8	0.28	0.35

Recommended By Lemo

Accessories	
Compatible cap	BFG.0B.100.PCZG
Tools	
Spanner	DCP.91.001.TN
Spanner 2	DCP.91.FSG.TN
Spanner wrench	DCD.0B.ZZZ.PA070

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.07.T28.044PGZE		grey	
CMN.07.T28.044PNZE			