

Standard



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

Number of contacts Low Voltage	7
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	1B
Suggested matching part	<a href="#">EGG.1B.307.CLL</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fsg-1b-307-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fsg-1b-307-clad52.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1B.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.4 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	13.74 g

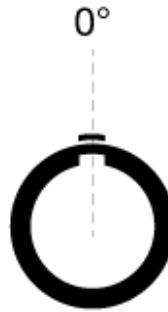
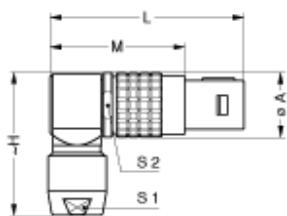
## Environment

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 - 5.20 mm

## Drawings



## Dimensions

A	H	L	M	S1	S2
mm.	12	26.4	36.5	25.5	9
in.	0.47	1.04	1.44	1	0.35

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# Recommended By Lemo

## Accessories

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Compatible cap	<a href="#">BFG.1B.100.PCZG</a>
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## Tools

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Spanner	<a href="#">DCP.0T.110.TN</a>
Spanner 2	<a href="#">DCP.91.FSG.TN</a>
Spanner wrench	<a href="#">DCD.1B.ZZZ.PA090</a>

## CAD

### Documents

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Eplan	<a href="#">Download</a>
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## Cables

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Cable PartNumber	Material	Colour	Cable image
CMN.07.T28.044PGZE		grey	
CMN.07.T28.044PNZE			
70140	PVC	Grey	

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