

Standard



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Summary

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BKT series

Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
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.305.CLL
Alternative part	FSG.0B.305.CLAK52Z
Series	B - Indoor keyed

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	0B.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.4 kV DC
Test voltage contact-shell	1 kV DC
Max. Conductor	0.34 mm² (AWG 22)
Max. Stranded Conductor	0.34 mm² (AWG 22)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
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 and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief
Weight	11.24 g

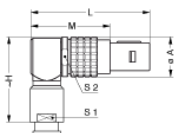
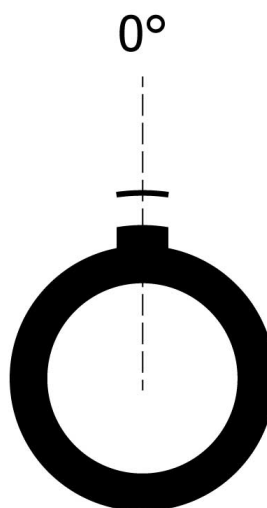
Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 4.70 mm

Drawings



Dimensions

	A	L	M	S1	S2	H
mm.	10	30.3	20.2	7	9	25
in.	0.39	1.19	0.8	0.28	0.35	0.98

Recommended By Lemo

Caps

Compatible cap	BFG.0B.100.PCZG
Plastic Cap	BFG.0B.100.PCZG
Soft Cap	BFZ.0B.100.SCN

Bend Reliefs

GMA.0B.045.DG	GMA.0B.045.DA	GMA.0B.045.DB
GMA.0B.045.DJ	GMA.0B.045.DM	GMA.0B.045.DN
GMA.0B.045.DR	GMA.0B.045.DS	GMA.0B.045.DV

Tools

Spanner	DCP.91.001.TN
Spanner 2	DCP.91.FSG.TN
Spanner wrench	DCD.0B.ZZZ.PA070

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Cables

Cable PartNumber	Material	Colour	Cable image
50090	PVC	Black	
50140	PVC	Grey	