FPA.0B.309.CLAD52Z

Standard



Image for illustrative purpose only

Summary

Request a quote

BKT series

Customer Drawing

Number of contacts Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	0B
Suggested matching part	EGA.0B.309.CLL
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fpa-0b-309-clad52z.html
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Technical details

Electrical Configuration	
Number of contacts Low Voltage	9
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	8.7 mOhm
Insert configuration value	0B.309 - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Test voltage contact-contact	1.1 kV DC
Test voltage contact-shell	1.6 kV DC
Max. Solid Conductor	0.09 mm² (AWG 28)
Max. Stranded Conductor	0.09 mm² (AWG 28)
Bucket Dia.	0.45 mm (0.018 in)
Contact Dia.	0.5 mm (0.0197 in)
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material	
Shell style / Model id	FP - Elbow (90°) plug with cable collet for 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	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	10.96 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
Cable fixation	
Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

Recommended By Lemo

Caps		
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

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.09.T28.050CNQZ			
CMN.09.T28.051PGZE		grey	
CMN.09.T28.051PNZE			
CMN.09.T28.051QGZE	TPR (medical)	Grey	

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