FGG.1B.302.CLAD52

Standard



Image for illustrative purpose only

Summary

Request a quote

BKT series

See video assembly instructions

Customer Drawing

Number of contacts Low Voltage	2
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	1B

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Suggested matching part	EGG.1B.302.CLL PHG.1B.302.CLLD52
Series	B - Indoor keyed

Technical details

Electrical Configuration	
Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	3.6 mOhm
Insert configuration value	1B.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	15 A
Test voltage contact-contact	2.1 kV DC
Test voltage contact-shell	2 kV DC
Max. Solid Conductor	0.5 mm² (AWG 20)
Max. Stranded Conductor	0.5 mm² (AWG 20)
Bucket Dia.	1 mm (0.039 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	28 - 20
Gender	Standard
Form & Material	
Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
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	16.02 g

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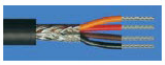
Environment	
Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

Recommended By Lemo

Caps	
Compatible cap	BFG.1B.100.PCZG
Plastic Cap	BFG.1B.100.PCZG
Soft Cap	BFZ.1B.100.SCN
Tools	
Spanner	DCP.91.001.TN
Spanner wrench	DCD.91.ZZZ.PA090

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T20.047PGZE		grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
120240	PVC	Black	
120250	PVC	Grey	
120501	PVC	Grey	
2221	PVC	Black	
4082	PVC	Grey	

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