FGG.1B.303.CYCD62Z

Standard



Image for illustrative purpose only

Summary

Request a quote

BKT series

See video assembly instructions

Customer Drawing

Number of contacts Low Voltage	3
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	1B

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Suggested matching part	EGG.1B.303.CLL PHG.1B.303.CYMD62Z
Series	B - Indoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	3.6 mOhm
Insert configuration value	1B.303 - 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 A
Test voltage contact-contact	2.3 kV DC
Test voltage contact-shell	2.6 kV DC
Contact retention	40 N
Max. Conductor	1 mm² (AWG 18)
Min. Conductor	0.5 mm² (AWG 20)
Bucket Dia.	1.4 mm (0.055 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	20 - 18
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief
Weight	16.94 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]	5.30 - 6.20 mm

Recommended By Lemo

Contacts	
Replacement contact	FGG.1B.565.ZZC
Caps	
Compatible cap	BFG.1B.100.PCZG
Plastic Cap	BFG.1B.100.PCZG
Soft Cap	BFZ.1B.100.SCN

Bend Reliefs		
GMA.1B.054.DG	GMA.1B.054.DA	GMA.1B.054.DB
GMA.1B.054.DJ	GMA.1B.054.DM	GMA.1B.054.DN
GMA.1B.054.DR	GMA.1B.054.DS	GMA.1B.054.DV

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Tools	
Spanner	DCP.91.001.TN
Positionner	DCE.91.131.BVC
Extraction tool	DCC.13.15B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.1B.ZZZ.PA090

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T18.055PGZE		grey	
CMN.03.T18.055PNZE			
CMN.03.T18.055QGZE	TPR (medical)	Grey	
230500	PVC	Grey	
230750	PVC	Grey	

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