

Special



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Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Wire Size/AWG	14 - 10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M25
Jacket cable outside diameter [mm]	9.10 - 10.50 mm
Size	4B
Suggested matching part	FGA.4B.304.CYCD10Z

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pfa-4b-304-cymd10z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max)	3.1 mOhm
Insert configuration value	4B.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	30 A
Vtest (contact-contact)	2.6 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Contact retention	75 N
Max. Conductor	4 mm ² (AWG 10)
Min. Conductor	2.5 mm ² (AWG 14)
Bucket Dia.	3.2 mm (0.126in)
Contact Dia.	3 mm (0.118in)
Wire Size/AWG	14 - 10
Gender	Standard

Form & Material

Shell style / Model id	PF - Fixed receptacle, with two nuts, cable collet (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
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	153.18 g
Panel Drill Hole	M25

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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]	9.10 - 10.50 mm

Recommended By Lemo

Tools

Spanner 2	DCM.65.270.AZ
Positionner	DCE.91.304.BVCM
Extraction tool	DCC.30.35B.LAG
Crimp tool	DPC.91.102.V
Spanner wrench	DCM.65.270.AZ

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