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Summary

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Number of contacts Low Voltage	16
Nb of contacts Coax	2
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.90 - 11.00 mm
Size	3B
Suggested matching part	FGG.3B.856.CLAD111
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pkg-3b-856-clld111.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
Nb of contacts Coax	2
Contact Termination Coax - Conductor fixing	Crimp
Contact Termination Coax - Screen fixing	Crimp
R (max)	5.8 mOhm
Insert configuration value	3B.856 - 2 Coax (50 Ohm), 16 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
OHM	50
Test voltage (kV DC)	1
Cable type	RG 174 A/U, RG 188 A/U, RG 316 /U
Contact Dia.	0.7 mm (0.03in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	PK - Fixed receptacle, nut fixing, cable collet
Socket / Receptacle	Fixed Panel Front 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	55.37 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.)
Climatical Category	50/175/21
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]	9.90 - 11.00 mm

Drawings



Dimensions

	A	B	e	E	L	S3	S1	S2	M
mm.	22	25	M18x1.0	11.5	56	22	16.5	14	2
in.	0.87	0.98		0.45	2.2	0.87	0.65	0.55	0.08

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Recommended By Lemo

Accessories	
Compatible cap	BRA.3B.200.PCSG
Tools	
Die Tool	DPE.99.103.8K
Extraction tool	DCC.91.CP1.LAG
Spanner wrench	DCD.3B.ZZZ.PA140