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Summary

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Number of contacts Low Voltage	16
Nb of contacts Coax	2
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 16.60 mm
Size	3B
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eng-3b-856-plmb1.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Crimp
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
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.34 mm ² (AWG 22)
Contact Dia.	0.7 mm (0.03in)
Wire Size/AWG	26 - 22
Gender	Standard

Form & Material

Shell style / Model id	EN - Fixed receptacle with grounding tab, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PSU (Polysulfone) 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)
Weight	18.17 g

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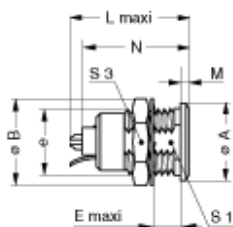
Environment

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]

Cable fixation

Jacket cable outside diameter [mm]	2.00 - 16.60 mm
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Drawings



Dimensions

	A	B	e	E	L	M	N	S1	S3
mm.	22	25	M18x1.0	11.5	30.7	2	28.1	16.5	22
in.	0.87	0.98		0.45	1.21	0.08	1.11	0.65	0.87

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Recommended By Lemo

Accessories	
Replacement contact	EGG.3B.655.ZZM
Tools	
Positionner	DCE.91.073.BVM
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPC.91.701.V