

Special

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Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Size	00
Suggested matching part	XBG.00.303.HLN
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fvb-00-303-nlae18.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0.303 - 3 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3.5 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.4 kV (DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.05 mm ² (AWG 30)
Bucket Dia.	0.4 mm (0.016in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	FVB - Straight plug for special cable crimping
Plug	Straight
Housing material	Brass (nickel plated [SAE AMS QQ N 290]) shell, collet nut, latch sleeve and mid pieces
Locking system	Push-pull
Keying	B: 2 keys (alpha=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	3.91 g

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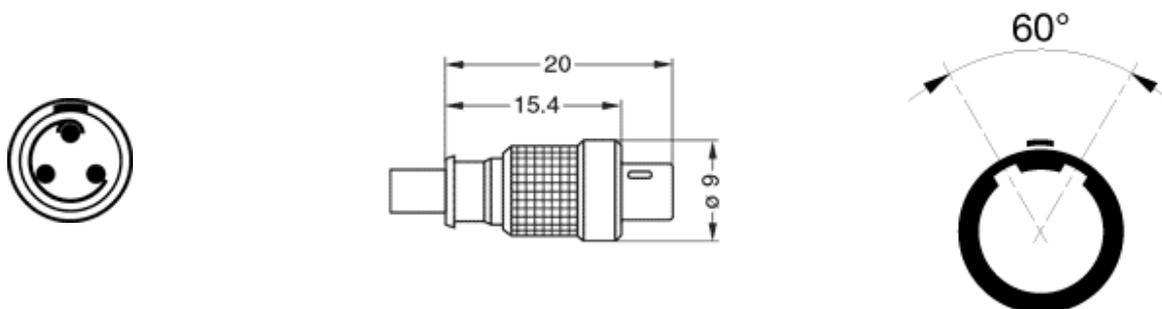
Environment

Environmental sealing (IP rating)	IP50
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	>144 hr

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Crimp

Drawings



Dimensions

	A	L	M
mm.	9	20	15.4
in.	0.35	0.79	0.61

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