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## Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	22 - 14
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Size	5B
Suggested matching part	<a href="#">PHG.5B.316.CLMD17</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-5b-316-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-5b-316-cla.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
R (max)	3.3 mOhm
Insert configuration value	5B.316 - 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Vtest (contact-contact)	2.6 kV (DC)
Vtest (contact-shell)	2.8 kV (DC)
Max. Solid Conductor	1.5 mm <sup>2</sup> (AWG 14)
Max. Stranded Conductor	1.5 mm <sup>2</sup> (AWG 16)
Bucket Dia.	1.8 mm (0.071in)
Contact Dia.	2 mm (0.079in)
Wire Size/AWG	22 - 14
Gender	Standard

## Form & Material

Shell style / Model id	FA - Fixed plug, non-latching, nut fixing
Plug	Fixed
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	Snap-on
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	174.06 g

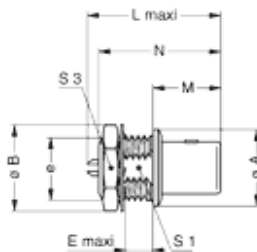
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## Environment

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

## Drawings









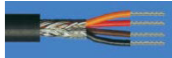





## Dimensions

	A	B	e	E	L	M	N	S1
mm.	40	40	M35x1.0	6.8	47.1	28	42.8	33.5
in.	1.57	1.57		0.27	1.85	1.1	1.69	1.32

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.16.T22.076QGZE	TPR (medical)	Grey	
CMN.16.T28.059PGZE		grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			
CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	
216220	PVC	Black	
216240	PVC	Black	
216260	PVC	Black	
316250	PVC	Grey	
416500	PVC	Grey	
416750	PVC	Grey	

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