



Summary

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Number of contacts	7
Wire Size/AWG	20 - 18
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.30 - 9.90 mm
Size	2B
Matching parts	FGG.2B.307.CYCD99
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-2b-307-cydm99.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	2B.307 - 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	11 Amps
Vtest (contact-contact)	1950 V (AC), 2750 V (DC)
Vtest (contact-shell)	2150 V (AC), 3040 V (DC)
Contact retention	40 N
Contact Type	Crimp
Max. Conductor	1 mm ² (AWG 18)
Min. Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.3 mm (0.051in)
Number of contacts	7
Wire Size/AWG	20 - 18
Gender	Standard

Form & Material

Shell style / Model id	PH - Free receptacle, cable collet
Socket / Receptacle	Free
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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	37.15 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 protection (IP rating)	IP50
Minimal temperature	-55°C / +250°C
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]	9.30 - 9.90 mm

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