



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.80 - 11.90 mm
Size	3B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/pkg-3b-318-yll12.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pkg-3b-318-yll12.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3B.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.7 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.035in)
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	Special housing (see notes for details)
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	54.13 g

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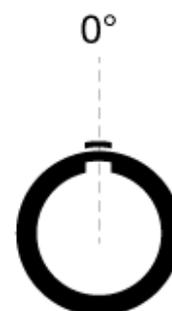
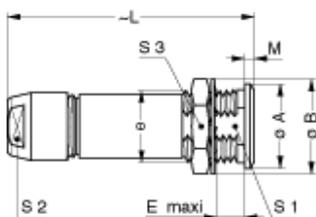
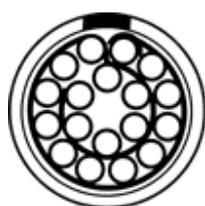
## Environment

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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	10.80 - 11.90 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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