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Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	18 - 14
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.60 - 10.00 mm
Size	3K
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/pe1-3k-307-cycc10.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Crimp
R (max)	3.5 mOhm
Insert configuration value	3K.307 - 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	15 A
Vtest (contact-contact)	2.9 kV (DC)
Vtest (contact-shell)	2.9 kV (DC)
Contact retention	50 N
Max. Conductor	1.5 mm ² (AWG 14)
Min. Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.9 mm (0.075in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	18 - 14
Gender	Reverse Gender

Form & Material

Shell style / Model id	PE - Fixed receptacle, nut fixing, cable collet (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	108.86 g

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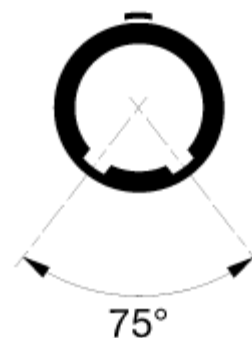
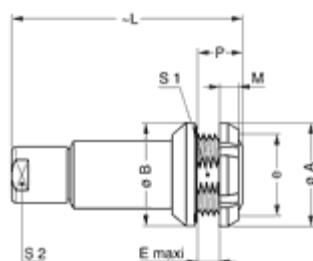
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 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]	9.60 - 10.00 mm

Drawings



Dimensions

	A	P	M	L	E	e	B	S1	S2
mm.	30	12	4.5	65	7.5	M24x1.0	31	22.5	15
in.	1.18	0.47	0.18	2.56	0.3		1.22	0.89	0.59

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Recommended By Lemo

Accessories

Replacement contact	FGG.3B.570.ZZC
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Tools

Positionner	DCE.91.163.BVCM
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Extraction tool	DCC.16.25B.LAG
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Crimp tool	DPC.91.101.A
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Spanner wrench	DCM.65.270.AZ
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