



Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	12.10 - 12.80 mm
Size	3K
Suggested matching part	FGG.3K.316.CYCK12Z
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/peg-3k-316-cymk12z.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3K.316 - 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	8 A
Vtest (contact-contact)	1800 V (AC), 2550 V (DC)
Vtest (contact-shell)	1500 V (AC), 2150 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	16
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Gender	Standard

Form & Material

Shell style / Model id	PE - Fixed receptacle, nut fixing, cable adapter, with bend relief nut (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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	154.81 g

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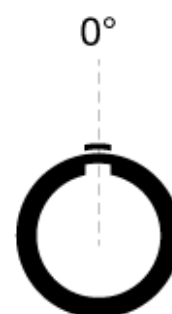
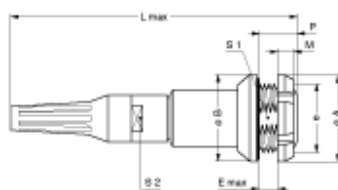
Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	12.10 - 12.80 mm

Drawings



Dimensions

	A	P	M	L	E	e	B	S1	S2
mm.	30	12	4.5	107	7.5	M24x1.0	31	22.5	15
in.	1.18	0.47	0.18	4.21	0.3		1.22	0.89	0.59

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