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## Summary

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Number of contacts Low Voltage	8
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.00 mm
Size	1K
Suggested matching part	<a href="#">FGG.1K.308.CYCK70Z</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/peg-1k-308-cymk70z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/peg-1k-308-cymk70z.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	1K.308 - 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	5 A
Vtest (contact-contact)	1300 V (AC), 1840 V (DC)
Vtest (contact-shell)	1300 V (AC), 1840 V (DC)
Contact retention	22 N
Contact Type	Crimp
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	8
Wire Size/AWG	26 - 22
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)
Colour	Grey
Weight	51.04 g

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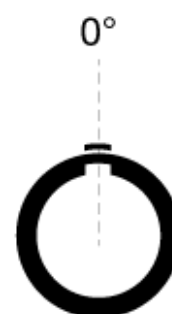
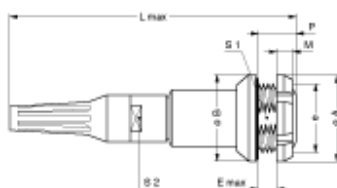
## Environment

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]	6.60 - 7.00 mm

## Drawings



## Dimensions

	A	S1	B	e	E	L	M	P	S2
mm.	20	14.5	20	M16x1.0	6.5	78.5	3.5	10	9
in.	0.79	0.57	0.79		0.26	3.09	0.14	0.39	0.35

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# Recommended By Lemo

## Accessories

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Replacement contact	<a href="#">EGG.1B.655.ZZM</a>
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## Tools

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Positionner	<a href="#">DCE.91.071.BVM</a>
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Extraction tool	<a href="#">DCC.07.04B.LAG</a>
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Crimp tool	<a href="#">DPC.91.701.V</a>
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Spanner wrench	<a href="#">Socket for torque wrench DCM.1E.M16.6</a>
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## Cables

Cable PartNumber	Material	Colour	Cable image
108220	PVC	Black	

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