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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]	5.10 - 5.50 mm
Size	1K
Suggested matching part	FGG.1K.308.CYCC55
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/peg-1k-308-cymc55z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
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)	2 kV (DC)
Vtest (contact-shell)	1.9 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	38.03 g

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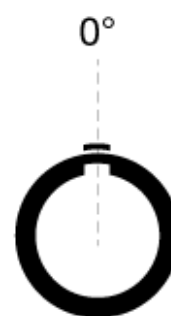
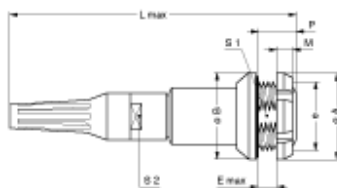
Environment

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]	5.10 - 5.50 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	
Replacement contact	EGG.1B.655.ZZM
Tools	
Positionner	DCE.91.071.BVM
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	Socket for torque wrench DCM.1E.M16.6

Cables

Cable PartNumber	Material	Colour	Cable image
108240	PTFE	White	
108260	PTFE	White	
8280	PVC	Black	