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Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 22.60 mm
Size	3K
Suggested matching part	FGL.3K.312.CYMK11
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egl-3k-312-cyc.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3K.312 - 12 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	9 A
Vtest (contact-contact)	1650 V (AC), 2350 V (DC)
Vtest (contact-shell)	1850 V (AC), 2600 V (DC)
Contact retention	30 N
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)
Wire Size/AWG	24 - 20
Gender	Reverse Gender

Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front 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	67.33 g

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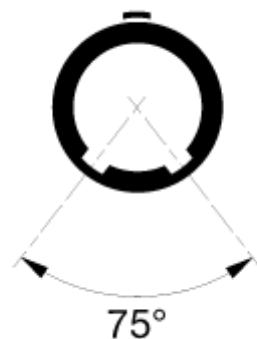
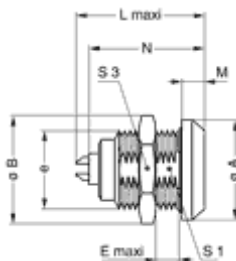
Environment

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

Jacket cable outside diameter [mm]	2.00 - 22.60 mm
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Drawings



Dimensions

	e	E	L	M	N	S1	S3	A	B
mm.	M24x1.0	11	36.2	6	33.6	22.5	30	31	34.5
in.		0.43	1.43	0.24	1.32	0.89	1.18	1.22	1.36

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Recommended By Lemo








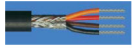





Accessories

Replacement contact	FGG.3B.560.ZZC
Compatible cap	BRE.3K.200.NAS

Tools

Positionner	DCE.91.093.BVC
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.12.T22.070QGZE	TPR (medical)	Grey	
CMN.12.T28.054PGZE		grey	
CMN.12.T28.054PNZE			
112240	PTFE	White	
112260	PTFE	White	
112280	PVC	Black	
12050	PVC	Black	
124080	PVC	Grey	
124084	PVC	Black	
212220	PVC	Black	
212240	PVC	Black	
212250	PVC	Grey	
212260	PVC	Black	
412500	PVC	Grey	
412750	PVC	Grey	

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