



Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	32 - 28
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 14.60 mm
Size	1K
Suggested matching part	FGG.1K.306.CYBC40
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/ehg-1k-306-cyp.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	1K.306 - 6 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	1350 V (AC), 1910 V (DC)
Vtest (contact-shell)	1450 V (AC), 2050 V (DC)
Contact retention	22 N
Contact Type	Crimp
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035 mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	6
Wire Size/AWG	32 - 28
Gender	Standard

Form & Material

Shell style / Model id	EH - Fixed receptacle, nut fixing and protruding shell
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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	26.21 g

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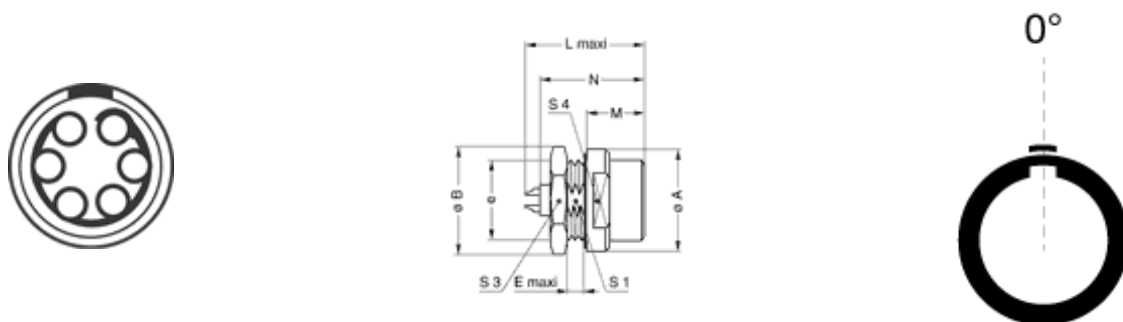
Environment

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]	1.00 - 14.60 mm
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Drawings



Dimensions

	B	A	S4	S3	S1	N	M	L	E	e
mm.	21.5	20	17	19	14.5	25.1	15.5	27	1.5	M16x1.0
in.	0.85	0.79	0.67	0.75	0.57	0.99	0.61	1.06	0.06	

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Recommended By Lemo

Accessories

Replacement contact [EGG.1B.656.ZZM](#)








Tools

Positionner [DCE.91.071.BVM](#)

Extraction tool [DCC.07.04B.LAG](#)

Crimp tool [DPC.91.701.V](#)

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
12080	PVC	Grey	
6280	PVC	Black	

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