



## Summary

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Number of contacts Low Voltage	48
Wire Size/AWG	26 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	13.60 - 14.50 mm
Size	5K
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/pe1-5k-348-cygc14.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/pe1-5k-348-cygc14.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	5K.348 - 48 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	6 A
Vtest (contact-contact)	2000 V (AC), 2850 V (DC)
Vtest (contact-shell)	1550 V (AC), 2200 V (DC)
Contact retention	40 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.	1.3 mm (0.051in)
Number of contacts Low Voltage	48
Wire Size/AWG	26 - 22
Gender	Reverse Gender

## Form & Material

Shell style / Model id	PE - Fixed receptacle, nut fixing, cable collet (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	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Weight	582.14 g

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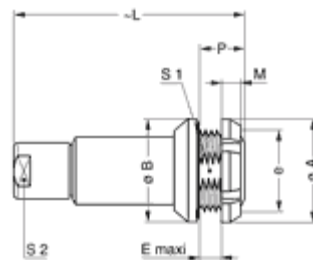
## Environment

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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	13.60 - 14.50 mm

## Drawings



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