



## Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.10 - 6.50 mm
Size	1K
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/pka-1k-304-cymc65z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/pka-1k-304-cymc65z.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	1K.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	10 A
Vtest (contact-contact)	1700 V (AC), 2400 V (DC)
Vtest (contact-shell)	1800 V (AC), 2550 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	4
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	PK - Fixed receptacle, nut fixing, cable collet and nut for fitting a bend relief
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 (alpha=30, plug: male contacts, receptacle: female contacts)
Weight	33.92 g

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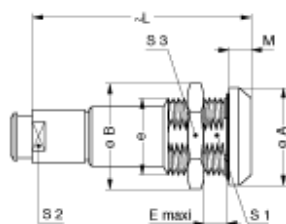
## Environment

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]	6.10 - 6.50 mm

## Drawings



## Dimensions

	A	B	e	E	L	M	S1	S2	S3
mm.	20	21.5	M16x1.0	9.5	46.2	4.5	14.5	9	19
in.	0.79	0.85		0.37	1.82	0.18	0.57	0.35	0.75

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# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.1B.660.ZZM</a>
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## Tools

Positionner	<a href="#">DCE.91.091.BVM</a>
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Extraction tool	<a href="#">DCC.09.05B.LAG</a>
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Crimp tool	<a href="#">DPC.91.701.V</a>
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Spanner wrench	<a href="#">DCD.1E.ZZZ.PA090</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
240500	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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