

Standard



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Summary

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[Customer Drawing](#)

Number of contacts Low Voltage	8
Protocol	1000 Base-T4 (10Gb/s)
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	2K
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/aaa-2k-514-cln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	PCB - Straight
Insert configuration value	2K.514 - 8 High Speed, Low Voltage (CAT 6A)
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	B (Moderate Design Producibility - Standard)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	1.13 kV (DC)
Vtest (contact-shell)	1.06 kV (DC)
Number of differentiated pairs (High speed)	4
Protocol	1000 Base-T4 (10Gb/s)
Gender	Standard

Form & Material

Shell style / Model id	EA - Fixed receptacle with earthing tag, nut fixing (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 (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	35.56 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 (max. temperature valid for short periods of use.)
Climatic 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

Recommended By Lemo

Tools

Spanner 2	DCM.65.225.AZ6
Spanner wrench	Socket for torque wrench DCM.2E.M20.6

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