

Standard



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Summary

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[Customer Drawing](#)

Number of contacts Low Voltage	2
Protocol	10G Base-T1 (10Gb/s)
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	0T
Series	T - Small Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/eag-0t-511-cln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	PCB - Straight
Insert configuration value	0T.511 - SPE - 2 High Speed, Low Voltage (10G BASE-T1 (IEEE 802.3ch))
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	2.2 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Number of differentiated pairs (High speed)	1
Protocol	10G Base-T1 (10Gb/s)
Gender	Standard

Form & Material

Shell style / Model id	EA - Fixed receptacle, nut fixing (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	4.37 g

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Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 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]
Resistance to vibration	15 g [10 Hz - 2000 Hz]
Shock Resistance	100 g [6 ms]
Salt Spray Corrosion	>1000 hr

Cable fixation

Panel Drill Hole	M9
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Recommended By Lemo

Tools

Spanner 2	DCM.65.106.AZ4
Spanner wrench	Socket for torque wrench DCM.05.M09.4

CAD

Documents

PCB	Download
PCB Eagle	Download
Kicad	Download
PCB Altium	Download

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