

Special*Image for illustrative purpose only*

Summary

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Number of contacts Low Voltage	7
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1T
Suggested matching part	FGG.1T.307.KLAC50
Series	T - Small Outdoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	T.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.4 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Contact Dia.	0.7 mm (0.028in)
Gender	Standard

Form & Material

Shell style / Model id	HE - Fixed socket, nut fixing, watertight or vacuumtight, back panel mounting
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (black chrome) 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	Black
Variant	Watertight unmated (connector to device)
Weight	20.26 g

https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/heg-1t-307-klnp.html

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Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Temperature range	-20°C / +80°C
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

Dimensions

	A	e	E	L	N	B	P	S1
mm.	15.5	M12x1.0	6.5	26	21.5	16	10	10.5
in.	0.61		0.26	1.02	0.85	0.63	0.39	0.41

Recommended By Lemo

Accessories

Compatible cap	BRE.1T.200.KAZ
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Tools

Spanner 2	DCM.65.141.AZ4
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Spanner wrench	Socket for torque wrench DCM.1S.M12.4
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CAD

Documents

PCB	Download
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PCB Eagle	Download
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Kicad	Download
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PCB Altium	Download
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