

Special



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## 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        | <a href="#">FGG.1T.307.KLAC50</a>              |
| Series                         | T - Small Outdoor keyed                        |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/heg-1t-307-klnp.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/heg-1t-307-klnp.html)

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# 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                                                                                                       |

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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

|     | <b>A</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>N</b> | <b>B</b> | <b>P</b> | <b>S1</b> |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|
| 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 | <a href="#">BRE.1T.200.KAZ</a> |
|----------------|--------------------------------|

## Tools

|                |                                                       |
|----------------|-------------------------------------------------------|
| Spanner 2      | <a href="#">DCM.65.141.AZ4</a>                        |
| Spanner wrench | <a href="#">Socket for torque wrench DCM.1S.M12.4</a> |

# CAD

## Documents

|            |                          |
|------------|--------------------------|
| PCB        | <a href="#">Download</a> |
| PCB Eagle  | <a href="#">Download</a> |
| Kicad      | <a href="#">Download</a> |
| PCB Altium | <a href="#">Download</a> |

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