



*Image for illustrative purpose only*

## Summary

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|                                    |                            |
|------------------------------------|----------------------------|
| Protocol                           | USB 3.1 (10Gb/s)           |
| Wire Size/AWG                      | 26 - 22                    |
| Gender                             | Standard                   |
| Socket / Receptacle                | Socket / Receptacle - Free |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm             |
| Size                               | 2T                         |
| Series                             | T - Small Outdoor keyed    |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/phg-2t-542-cllc60z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/phg-2t-542-cllc60z.html)

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# Technical details

## Electrical Configuration

|   |                                 |
|---|---------------------------------|
| Insert configuration value                  | 2T.542 - USB 3.1 (up to 10Gb/s) |
| Insulator                                   | L: PEEK (UL 94 / V-0/1.5)       |
| Rated current                               | 5 A                             |
| Vtest (contact-contact)                     | 0.35                            |
| Vtest (contact-shell)                       | 0.7                             |
| Number of differentiated pairs (High speed) | 3                               |
| Protocol                                    | USB 3.1 (10Gb/s)                |
| Wire Size/AWG                               | 26 - 22                         |
| Gender                                      | Standard                        |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | PH - Free receptacle, cable collet and nut for fitting a bend relief  |
| Socket / Receptacle    | Free  |
| 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  |
| Variant                | Nut for fitting a bend relief   |
| Weight                 | 35.47 g   |

## 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.) |
| Climatical Category               | 50/175/21   |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]  |
| Salt Spray Corrosion              | >1000 hr  |

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## Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm        |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRF.2T.200.CAZ</a> |
|----------------|--------------------------------|

## Tools

|         |                               |
|---------|-------------------------------|
| Spanner | <a href="#">DCP.2T.110.TN</a> |
|---------|-------------------------------|

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