



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Number of contacts Low Voltage     | 12                                |
| Wire Size/AWG                      | 26 - 22                           |
| Gender                             | Standard                          |
| Socket / Receptacle                | Socket / Receptacle - Free        |
| Locking system                     | Push-pull                         |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm                    |
| Size                               | 2T                                |
| Suggested matching part            | <a href="#">FGG.2T.312.CYCC70</a> |
| Series                             | T - Small Outdoor keyed           |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 12                            |
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | 2T.312 - 12 Low Voltage       |
| Insulator                       | Y: PEEK for crimp contacts    |
| Rated current                   | 7 A                           |
| Vtest (contact-contact)         | 2.3 kV (DC)                   |
| Vtest (contact-shell)           | 2.9 kV (DC)                   |
| Contact retention               | 22 N                          |
| Max. Conductor                  | 0.34 mm <sup>2</sup> (AWG 22) |
| Min. Conductor                  | 0.14 mm <sup>2</sup> (AWG 26) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Wire Size/AWG                   | 26 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | PH - Free receptacle, cable collet  |
| 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  |
| Weight                 | 32.01 g   |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

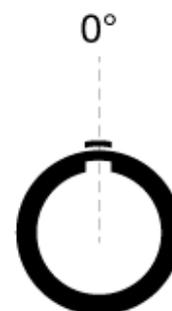
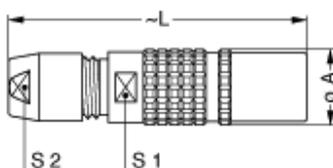
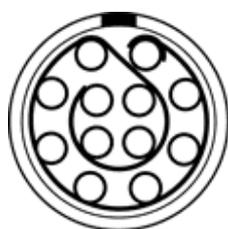
## Environment

|                                   |   |
|-----------------------------------|---|
| 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]  |
| Resistance to vibration           | 15 g [10 Hz - 2000 Hz]  |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Salt Spray Corrosion              | >1000 hr  |

## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm                               |

## Drawings



## Dimensions

|     | A    | L    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 15   | 52   | 13   | 12   |
| in. | 0.59 | 2.05 | 0.51 | 0.47 |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Recommended By Lemo

## Accessories

---

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">EGG.2B.655.ZZM</a> |
|---------------------|--------------------------------|

---

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

## Tools

---

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

---

|             |                                |
|-------------|--------------------------------|
| Positionner | <a href="#">DCE.91.072.BVM</a> |
|-------------|--------------------------------|

---

|                 |                                |
|-----------------|--------------------------------|
| Extraction tool | <a href="#">DCC.07.04B.LAG</a> |
|-----------------|--------------------------------|

---

|            |                              |
|------------|------------------------------|
| Crimp tool | <a href="#">DPC.91.701.V</a> |
|------------|------------------------------|

# Cables

---

| Cable PartNumber                   | Material      | Colour | Cable image   |
|------------------------------------|---------------|--------|---|
| <a href="#">CMN.12.T22.070QGZE</a> | TPR (medical) | Grey   |  |

---

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/phg-2t-312-cymc70.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.