

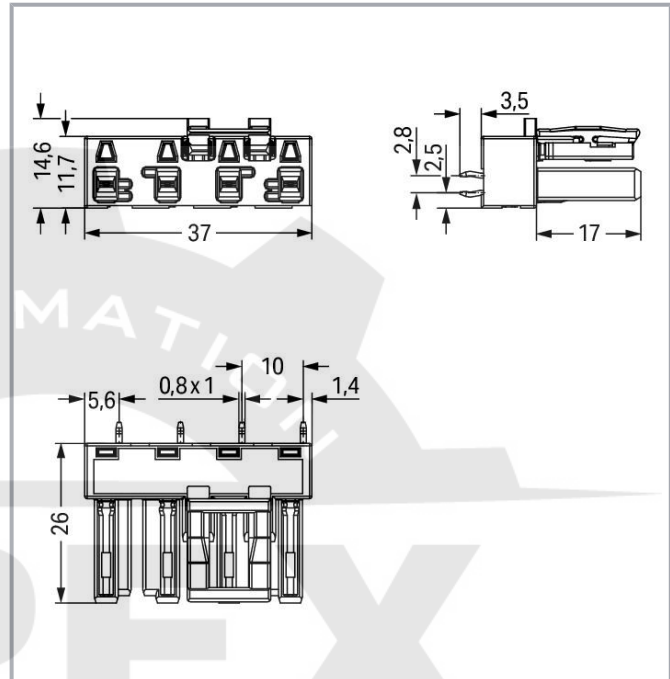
# Data sheet | Item number: 770-864/072-000

Socket for PCBs; straight; 4-pole; Cod. B; light green

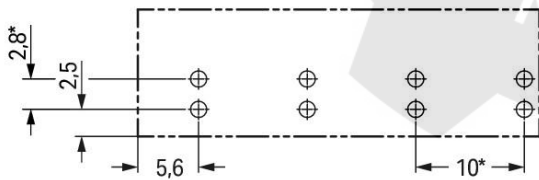
[www.wago.com/770-864\\_072-000](http://www.wago.com/770-864_072-000)



**i** Picture differs from the item.



Color:



\*  $\pm 0.05$  mm  
Drilled hole diameter:  $1.5^{+0.1}$  mm

Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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## Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.
- Components can be clearly printed on and color-coded to meet custom requirements.

## Data

### Electrical data

|                            |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket |
|----------------------------|-----------------------------------------------------------------------------------|

### IEC Approvals

|                             |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Ratings per                 | IEC/EN 60664-1                                            |
| Rated voltage (III / 3)     | 400 V                                                     |
| Rated surge voltage (III/3) | 6 kV                                                      |
| Rated current               | 25 A                                                      |
| Legend (ratings)            | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

### Ratings per UL

|                                      |                                                                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hinweis für den amerikanischen Markt | Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office. |
| Rated voltage UL 1977                | 600 V                                                                                                                                                                                                                                                                                |
| Rated current UL 1977                | 23 A                                                                                                                                                                                                                                                                                 |

### Connection data

|                            |   |
|----------------------------|---|
| Pole No.                   | 4 |
| Total number of potentials | 4 |
| Number of levels           | 1 |

### Physical data

|             |                    |
|-------------|--------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width       | 37 mm / 1.457 inch |

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|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Height                               | 29.5 mm / 1.161 inch              |
| Height from the surface              | 26 mm / 1.024 inch                |
| Depth                                | 14.6 mm / 0.575 inch              |
| Solder pin length                    | 3.5 mm                            |
| Solder pin dimensions                | 1 x 0.8 mm                        |
| Drilled hole diameter with tolerance | 1.5 <sup>(-0.1 ... +0.1)</sup> mm |

## Mechanical data

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Application                             | Measurement and regulation technology                    |
| Coding                                  | B                                                        |
| Marking                                 | U- U+ DI AI                                              |
| Potential marking                       | U- U+ DI AI                                              |
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)           |
| Retention force of a plug-in connection | Locked: > 80 N                                           |
| Unmating force of a plug-in connection  | Unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles                 | 200, without resistive load                              |
| Design                                  | straight                                                 |

## Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Female connector/socket                                                                                                                                                                                                                                                                                          |
| Connector (connection type)        | for PCB                                                                                                                                                                                                                                                                                                          |
| Mismating protection               | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection       | All WINSTA <sup>®</sup> components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole                                                                                                |
| Mating direction to the PCB        | 90°                                                                                                                                                                                                                                                                                                              |
| Locking lever                      | yes                                                                                                                                                                                                                                                                                                              |
| Locking of plug-in connection      | locking lever                                                                                                                                                                                                                                                                                                    |
| Hinweis zur Verriegelung           | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |

## PCB contact

|                        |                            |
|------------------------|----------------------------|
| PCB Contact            | THT                        |
| Solder pin arrangement | 2 in-line solder pins/pole |

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Number of solder pins per potential

2

## Material data

|                          |                                          |
|--------------------------|------------------------------------------|
| Color                    | light green                              |
| Insulation material      | Polyamide (PA66)                         |
| Clamping spring material | Chrome nickel spring steel (CrNi)        |
| Contact material         | Copper or copper alloy (surface-treated) |
| Fire load                | 0.157 MJ                                 |
| Weight                   | 8.5 g                                    |

## Environmental requirements

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| Processing temperature                   | -5 ... +40 °C                              |
| Continuous operating temperature         | -35 ... +85 °C                             |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | PL            |
| GTIN                  | 4050821555735 |
| Customs tariff number | 8536694040    |

## Approvals / Certificates

### UL-Approvals

| Logo                                                                               | Approval                                | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1977                  | E45171<br>Sec. 9 |

## Counterpart



Item no. 770-274/072-000

Plug; 4-pole; Cod. B; 4,00 mm<sup>2</sup>; light green[www.wago.com/770-274/072-000](http://www.wago.com/770-274/072-000)

## Required accessories

### Cover

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|                                                                                 |                                                                                          |                                                                |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 770-201</b><br>Lockout cap; 12-pole, separable; 12-pole; for sockets; black | <a href="http://www.wago.com/770-201">www.wago.com/770-201</a> |
|  | <b>Item no.: 770-221</b><br>Lockout cap; for socket; 12-pole; separable; white           | <a href="http://www.wago.com/770-221">www.wago.com/770-221</a> |

## Downloads

### CAD files

#### CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 770-864/072-000 | URL | Download |
|------------------------------|-----|----------|

#### PCB Design

|                                      |     |          |
|--------------------------------------|-----|----------|
| Symbol and Footprint 770-864/072-000 | URL | Download |
|--------------------------------------|-----|----------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

#### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4

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- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

#### CAE data

| ZUKEN Portal 770-864/072-000 | URL | Download |
|------------------------------|-----|----------|
|------------------------------|-----|----------|

## Environmental Product Compliance

### Compliance Search

| Environmental Product Compliance 770-864/072-000       | URL | Download |
|--------------------------------------------------------|-----|----------|
| Socket for PCBs; straight; 4-pole; Cod. B; light green |     |          |

## Installation Notes

### Product family

<i>WINSTA</i>® MIDI  
[Show all products from the family](#)

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