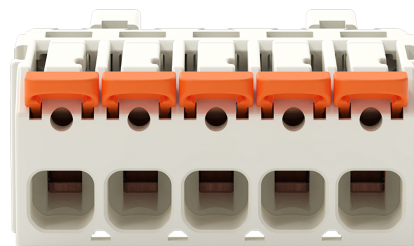
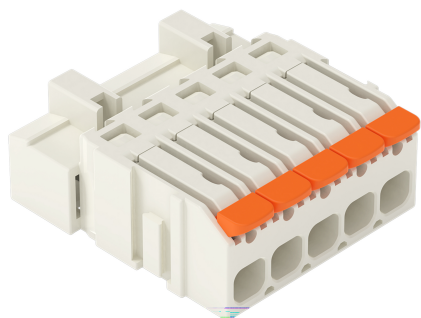


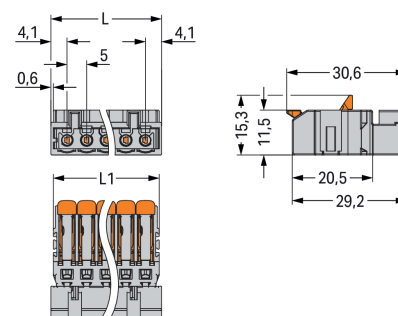
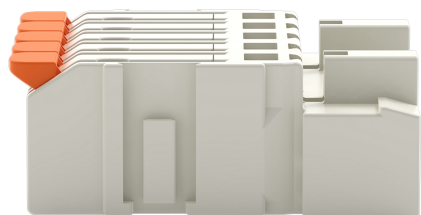
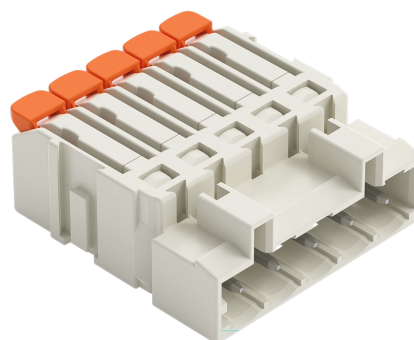
## Data Sheet | Item Number: 2721-1605

1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 2,50 mm²; light gray

<https://www.wago.com/2721-1605>



Color: ■ light gray



Dimensions in mm

$L1 = (\text{pole no.} \times \text{pin spacing}) + 3.2 \text{ mm}$   
 $L2 = (\text{pole no.} \times \text{pin spacing}) + 2 \text{ mm}$

Male connector, 2721 Series, Push-in CAGE CLAMP®

Our male connector (item number 2721-1605) is designed for seamless electrical installations. Strip lengths must be between 11 and 12 mm when connecting conductors to this male connector. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with



ferrules without needing to use any tools—all thanks to its pluggable design. The dimensions are (28.2 x 11.5 x 30.6) mm (width x height x depth). Depending on the conductor type, this male connector is suitable for conductor cross sections ranging from 0.2 mm² to 2.5 mm².

Tin is used for coating the contact surfaces.

| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated. |
| Variants:          | Other pole numbers<br>Gold-plated or partially gold-plated contact surfaces<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                             |

| Electrical data                 |  |                |       |       |               |               |
|---------------------------------|--|----------------|-------|-------|---------------|---------------|
| Ratings per                     |  | IEC/EN 60664-1 |       |       | Approvals per |               |
|                                 |  |                |       |       | UL 1059       |               |
| Overvoltage category            |  | III            | III   | II    | Use group     | B C D         |
| Pollution degree                |  | 3              | 2     | 2     | Rated voltage | 300 V - 300 V |
| Nominal voltage                 |  | 320 V          | 320 V | 630 V | Rated current | 16 A - 10 A   |
| Rated impulse withstand voltage |  | 4 kV           | 4 kV  | 4 kV  |               |               |
| Rated current                   |  | 16 A           | 16 A  | 16 A  |               |               |

| Connection Data            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clamping units             | 5 | <b>Connection 1</b><br>Connection technology Push-in CAGE CLAMP®<br>Actuation type Lever<br>Solid conductor 0.2 ... 2.5 mm² / 24 ... 12 AWG<br>Fine-stranded conductor 0.2 ... 2.5 mm² / 24 ... 12 AWG<br>Fine-stranded conductor; with insulated ferrule 0.25 ... 1.5 mm²<br>Fine-stranded conductor; with uninsulated ferrule 0.25 ... 2.5 mm²<br>Strip length 11 ... 12 mm / 0.43 ... 0.47 inches<br>Pole number 5<br>Conductor entry direction to mating direction 0° |
| Total number of potentials | 5 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of connection types | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of levels           | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 5 mm / 0.197 inches    |
| Width         | 28.2 mm / 1.11 inches  |
| Height        | 11.5 mm / 0.453 inches |
| Depth         | 30.6 mm / 1.205 inches |

### Mechanical data

|                          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

### Plug-in connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for conductor       |
| Mismating protection               | Yes                 |

### Material data

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | light gray                                                               |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Clamping spring material           | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   | Electrolytic copper (E <sub>CU</sub> )                                   |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.135 MJ                                                                 |
| Actuator color                     | orange                                                                   |
| Weight                             | 8 g                                                                      |

### Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
| Processing temperature  | -35 ... +60 °C  |

### Commercial data

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4066966684377 |
| Customs tariff number | 85366930000   |

### Product Classification

|           |                      |
|-----------|----------------------|
| UNSPSC    | 39121409             |
| ETIM 9.0  | EC002638             |
| ETIM 10.0 | EC002638             |
| ECCN      | NO US CLASSIFICATION |

### Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2721-1605

↓

Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models

2721-1605

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

|                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 721-105/026-000</b><br>1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 2,50 mm²; light gray                                        | <br><b>Item No.: 2721-1105/326-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; 2,50 mm²; light gray                         | <br><b>Item No.: 2721-1105/326-045</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; direct marking; light gray                                      | <br><b>Item No.: 2721-1105/326-047</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; direct marking; light gray              |
| <br><b>Item No.: 2721-1105/326-9037</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; direct marking; light gray | <br><b>Item No.: 2721-1105/037-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; Lateral locking levers; 2,50 mm²; light gray | <br><b>Item No.: 2721-1105/037-000/334-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; Lateral locking levers; Strain relief plate; light gray | <br><b>Item No.: 2721-1105/326-000/334-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismatching, coding finger; Strain relief plate; light gray |
| <br><b>Item No.: 722-235</b><br>THT female header; angled; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray                                                          | <br><b>Item No.: 722-135</b><br>THT female header; straight; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray                                                                         |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                        |



1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



[Item No.: 231-129](#)  
Coding key; snap-on type; light gray

1.2.2 Cover

1.2.2.1 Cover



[Item No.: 231-668](#)  
Lockout caps; for covering unused clamping units; gray

1.2.3 Ferrule

1.2.3.1 Ferrule



[Item No.: 216-301](#)  
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



[Item No.: 216-302](#)  
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



[Item No.: 216-201](#)  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



[Item No.: 216-241](#)  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



[Item No.: 216-141](#)  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



[Item No.: 216-101](#)  
Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored



[Item No.: 216-242](#)  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



[Item No.: 216-262](#)  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



[Item No.: 216-202](#)  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



[Item No.: 216-142](#)  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



[Item No.: 216-102](#)  
Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored



[Item No.: 216-243](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



[Item No.: 216-263](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



[Item No.: 216-203](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



[Item No.: 216-103](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated



[Item No.: 216-143](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



[Item No.: 216-204](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



[Item No.: 216-244](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



[Item No.: 216-264](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



[Item No.: 216-284](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



[Item No.: 216-144](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



[Item No.: 216-104](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored



[Item No.: 216-106](#)  
Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored

1.2.4 Insulation stop

1.2.4.1 Insulation stop



**Item No.: 231-670**  
Insulation stop; 0.08-0.2 mm² / 0.2 mm²  
"s"; white



**Item No.: 231-671**  
Insulation stop; 0.25 - 0.5 mm²; light gray



**Item No.: 231-672**  
Insulation stop; 0.75 - 1 mm²; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



**Item No.: 231-902**  
Jumper; for conductor entry; 2-way; insulated; gray



**Item No.: 231-903**  
Jumper; for conductor entry; 3-way; insulated; gray



**Item No.: 231-905**  
Jumper; for conductor entry; 5-way; insulated; gray

1.2.6 Marking

1.2.6.1 Marking strip



**Item No.: 210-331/500-103**  
Marking strips; as a DIN A4 sheet; MARKED; 1-12 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-205**  
Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-331/500-104**  
Marking strips; as a DIN A4 sheet; MARKED; 13-24 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.2.7 Strain relief

1.2.7.1 Strain relief housing



**Item No.: 232-605**  
Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 5-pole; gray

1.2.7.2 Strain relief plate



**Item No.: 2231-534/000-009**  
Strain relief plate; for female and male connectors; 1 part; lever; Pin spacing 5 mm; light gray

1.2.8 Tool

1.2.8.1 Operating tool



Item No.: 231-231  
Combination operating tool; red



Item No.: 210-720  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-657  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured



Item No.: 209-130  
Operating tool; made of insulating material; 1-way; for 264 Series (1-/2-way), 280, 281 Series (up to 3-way); natural



Item No.: 231-291  
Operating tool; made of insulating material; 1-way; loose; red



Item No.: 231-131  
Operating tool; made of insulating material; 1-way; loose; white



Item No.: 280-432  
Operating tool; made of insulating material; 2-way; white



Item No.: 280-433  
Operating tool; made of insulating material; 3-way; white



Item No.: 280-434  
Operating tool; made of insulating material; 4-way; white



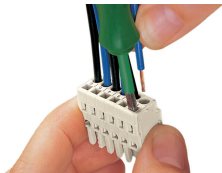
Item No.: 280-435  
Operating tool; made of insulating material; 5-way; gray



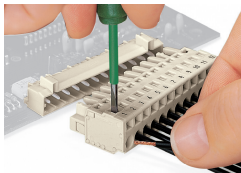
Item No.: 231-159  
Operating tool; natural

Installation Notes

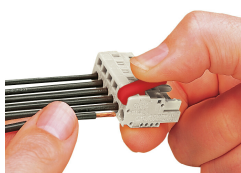
Conductor termination



Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.

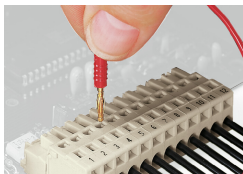


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor via operating tool.

Testing



Testing perpendicular to conductor entry with 2 or 2.3 mm Ø test plug – female connector with CAGE CLAMP® – via integrated test ports

Installation

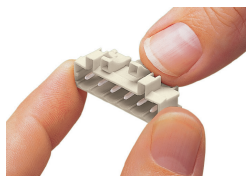


Male connector with strain relief plate



Strain relief housing shown with a male connector equipped with CAGE CLAMP®

Coding



Coding a male header – fitting coding key (s).