

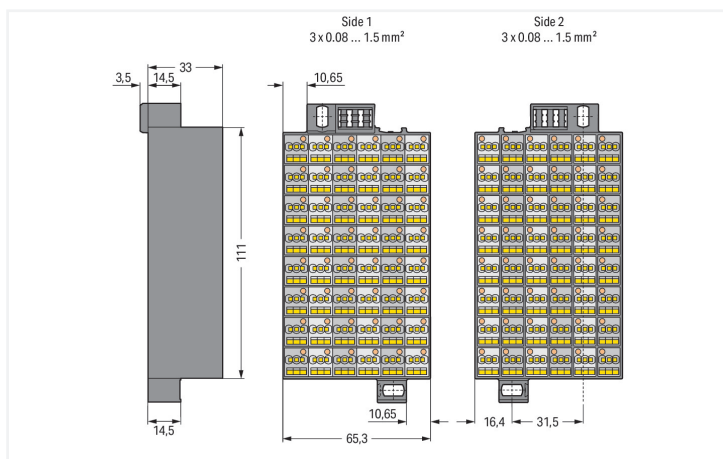
## Data Sheet | Item Number: 726-421

Matrix patchboard; 48-pole; Marking 1-48; Colors of modules: gray/white; Module marking, side 1 and 2 vertical; gray/white/dark gray

<https://www.wago.com/726-421>



Color:  gray/white/dark gray



Dimensions in mm

### Matrix patchboards, 726 Series, gray/white/dark gray

Our matrix patchboards (item number 726-421) are designed for seamless electrical installations. Strip lengths must be between 8 and 10 mm when connecting conductors to these matrix patchboards. This product features conductor terminals and utilizes CAGE CLAMP®. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. Dimensions: (65.3 x 132 x 36.5) mm (width x height x depth). These matrix patchboards are suitable for conductor cross sections ranging from 0.08 mm<sup>2</sup> to 1.5 mm<sup>2</sup> on one side and for conductor cross sections ranging from 0.08 mm<sup>2</sup> to 1.5 mm<sup>2</sup> on the other side.

### Electrical data

#### Ratings per IEC/EN

|   |   |
|---|---|
| Nominal voltage (III/3)                   | 500 V   |
| Rated impulse withstand voltage (III / 3) | 6 kV  |
| Rated current                             | 10 A  |
| Legend (ratings)                          | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

#### General information

|                  |                    |
|------------------|--------------------|
| Wiring direction | Front-entry wiring |
|------------------|--------------------|

## Connection Data

| Connection 1                    |                                    | Connection 2                |                                  |
|---------------------------------|------------------------------------|-----------------------------|----------------------------------|
| Connection type                 | Page 1                             | Connection type             | Side 2                           |
| Connection technology           | CAGE CLAMP®                        | Number of connection points | 3                                |
| Number of connection points     | 3                                  | Solid conductor             | 0.08 ... 1.5 mm² / 28 ... 16 AWG |
| Actuation type                  | Operating tool                     | Fine-stranded conductor     | 0.08 ... 1.5 mm² / 28 ... 16 AWG |
| Connectable conductor materials | Copper                             |                             |                                  |
| Solid conductor                 | 0.08 ... 1.5 mm² / 28 ... 16 AWG   |                             |                                  |
| Fine-stranded conductor         | 0.08 ... 1.5 mm² / 28 ... 16 AWG   |                             |                                  |
| Strip length                    | 8 ... 10 mm / 0.31 ... 0.39 inches |                             |                                  |
| Pole number                     | 48                                 |                             |                                  |

## Physical data

|        |                        |
|--------|------------------------|
| Width  | 65.3 mm / 2.571 inches |
| Height | 132 mm / 5.197 inches  |
| Depth  | 36.5 mm / 1.437 inches |

## Mechanical data

|         |          |
|---------|----------|
| Marking | 1 ... 48 |
|---------|----------|

## Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray/white/dark gray   |
| Module color                       | white/gray   |
| Material group                     | I  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire load                          | 5.163 MJ   |
| Weight                             | 248.3 g  |

## Commercial data

|                       |                         |
|-----------------------|-------------------------|
| Product Group         | 12 (Matrix Patch Board) |
| PU (SPU)              | 10 (1) pcs              |
| Packaging type        | Box                     |
| Country of origin     | DE                      |
| GTIN                  | 4066966328882           |
| Customs tariff number | 85369010000             |

## Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121410             |
| eCl@ss 10.0 | 27-24-26-08          |
| eCl@ss 9.0  | 27-24-26-08          |
| ETIM 9.0    | EC001604             |
| ETIM 10.0   | EC001604             |
| ECCN        | NO US CLASSIFICATION |

**Environmental Product Compliance**

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

**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



| Approval                              | Standard | Certificate Name |
|---------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.       | EN 60998 | NTR NL-7986      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60998 | 71-127356        |
| UL<br>UL International Germany GmbH   | UL 1059  | E45172           |

| Approval   | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

|  |   |
|--|---|
| Environmental Product Compliance 726-421 | ↓ |
|--|---|

**Documentation**

**Bid Text**

| Item    | Date       | File Type | Size     | Action |
|---------|------------|-----------|----------|--------|
| 726-421 | 19.02.2019 | xml       | 3.37 KB  | ↓      |
| 726-421 | 21.02.2019 | docx      | 14.57 KB | ↓      |

**CAD/CAE-Data**

**CAD data**

|                      |   |
|----------------------|---|
| 2D/3D Models 726-421 | ↓ |
|----------------------|---|

**CAE data**

|                           |   |
|---------------------------|---|
| EPLAN Data Portal 726-421 | ↓ |
| WSCAD Universe 726-421    | ↓ |
| ZUKEN Portal 726-421      | ↓ |

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Connector

##### 1.1.1.1 Common potential terminal block



**Item No.: 726-904**

Additional module for matrix patchboards; for snap-on fixing to mounting adapter; insulated; with CAGE CLAMP®; gray

**Item No.: 726-903**

Additional module for matrix patchboards; for snap-on fixing to mounting adapter; with contact to mounting frame; with CAGE CLAMP®; white

#### 1.1.2 Ferrule

##### 1.1.2.1 Ferrule



**Item No.: 216-202**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray

#### 1.1.3 Insulation stop

##### 1.1.3.1 Insulation stop



**Item No.: 726-901**

Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 4 x 3 pieces/strip; white

**Item No.: 726-907**

Insulation stop; 0.25 - 0.5 mm<sup>2</sup> "s+f-st"; 4 x 3 pieces/strip; dark gray

**Item No.: 726-906**

Insulation stop; 0.25 mm<sup>2</sup> "s"; 0.14 - 0.25 mm<sup>2</sup> "f-st"; 4 x 3 pieces/strip; light gray

#### 1.1.4 Jumper

##### 1.1.4.1 Jumper



**Item No.: 709-107**

Wire commoning chain; 0.5 mm<sup>2</sup>; insulated; gray

#### 1.1.5 Marking

##### 1.1.5.1 Marker



**Item No.: 793-5501/000-006**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

**Item No.: 793-5501/000-014**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown

**Item No.: 793-5501/000-007**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray

**Item No.: 793-5501/000-023**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item No.: 793-5501/000-017**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

**Item No.: 793-5501/000-012**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange


**Item No.: 793-5501/000-005**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red


**Item No.: 793-5501/000-024**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet


1.1.5.1 Marker




**Item No.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white




**Item No.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow




**Item No.: 793-5502**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white



**Item No.: 793-5566**  
WMB marking card; as card; MARKED; 1 ... 50 (2x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white




**Item No.: 793-5500/793-035**  
WMB marking card; as card; MARKED; X (100x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white


1.1.5.3 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.6 Tool

1.1.6.1 Operating tool



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

Conductor termination



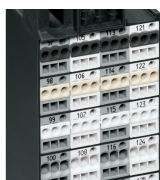
|        | Max. conductor cross section [mm²/AWG] without ferrule | Max. conductor cross section [mm²/AWG] with ferrule |                |             |          |
|--------|--|---|----------------|-------------|----------|
|        |  | insulated   |                | uninsulated |          |
|        |  | Item No./Color                                      | Item No.       | Item No.    | Item No. |
| Side 2 | 1.5  | 0.75  | 216-202/ gray  | 1           | 216-103  |
| Side 1 | 1.5  | 0.75  | 216-202/ gray  | 1           | 216-103  |
| Side 2 | 2.5  | 1.5   | 216-204/ black | 1.5         | 216-104  |
| Side 1 | 1.5  | 0.75  | 216-202/ gray  | 1           | 216-103  |

**CAGE CLAMP® connection**  
Inserting a conductor via 210-719 Operating Tool (2.5 x 0.4 mm blade).

**CAGE CLAMP® connection**  
Terminating ferruled conductors via operating tool.

Ferrules

Conductor termination



Inserting an insulation stop into conductor entry holes of matrix patchboards.

Insulation stop is in place.

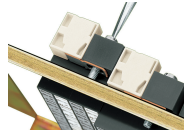
## Testing



Testing with a 2.3 mm Ø test plug (210-137).



Snapping on an additional module with contact to mounting frame.

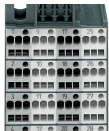


Assembling a matrix patchboard with additional module – direct connection to the mounting frame.



Installation example:  
Matrix patchboards in a frame

## Marking



Factory-marked modules (Side 1: 1, 2, 3, 4 ...)



Individual group marking via WMB Multi Marking System