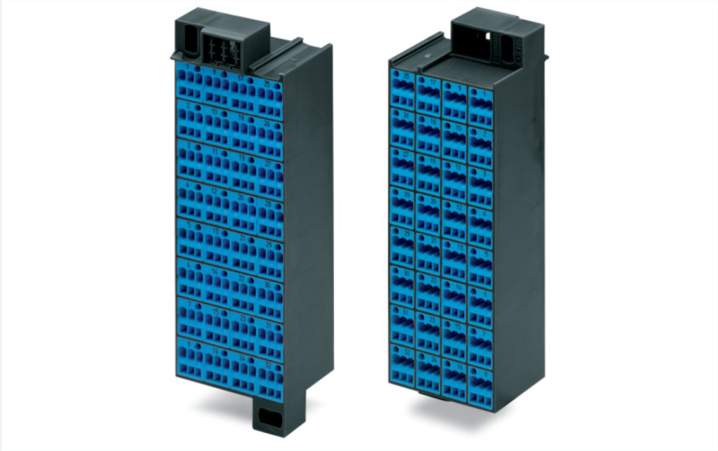
# Data Sheet | Item Number: 726-142

Matrix patchboard; 32-pole; Marking 33-64; suitable for Ex i applications; Color of modules: blue; Module marking, side 1 and 2 vertical; 1,50 mm²; blue/dark gray

https://www.wago.com/726-142



Color: blue/dark gray

Similar to illustration

Matrix patchboards, 726 Series, CAGE CLAMP®

Our matrix patchboards (item number 726-142) simplify electrical installations. Ensure that the strip lengths are between 8 and 10 mm when connecting conductors to these matrix patchboards. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our reliable 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. The item's dimensions are (44 x 132 x 36.5) mm (width x height x depth). These matrix patchboards are suitable for conductor cross sections ranging from 0.08 mm² to 1.5 mm² on one side and for conductor cross sections ranging from 0.08 mm² to 1.5 mm² 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 type | Page 1 |
| Connection technology | CAGE CLAMP® |
| Number of connection points | 3 |
| Actuation type | Operating tool |
| 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 | 32 |

### Connection 2

| | |
|---|---|
| Connection type | Side 2 |
| Number of connection points | 3 |
| Solid conductor | 0.08 … 1.5 mm² / 28 … 16 AWG |
| Fine-stranded conductor | 0.08 … 1.5 mm² / 28 … 16 AWG |


Continued on next page

## Physical data

| | |
|---|---|
| Width | 44 mm / 1.732 inches |
| Height | 132 mm / 5.197 inches |
| Depth | 36.5 mm / 1.437 inches |

## Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | blue/dark gray |
| Module color | blue |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 2.346 MJ |
| Weight | 170.2 g |

## Commercial data

| | |
|---|---|
| Product Group | 12 (Matrix Patch Board) |
| PU (SPU) | 20 (1) pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4066966353341 |
| 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

| 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 |

### Declarations of conformity and manufacturer's declarations

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


Continued on next page

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 726-142

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 726-142 | 19.02.2019 | xml 3.42 KB |
| 726-142 | 21.02.2019 | docx 14.50 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 726-142

**CAE data**

EPLAN Data Portal 726-142

WSCAD Universe 726-142

## 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 mm² / 18 AWG; insulated; electro-tin plated; gray

 Continued on next page

## 1.1.3 Insulation stop

### 1.1.3.1 Insulation stop



Item No.: 726-901
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 4 x 3 pieces/strip; white



Item No.: 726-907
Insulation stop; 0.25 - 0.5 mm² "s+f-st"; 4 x 3 pieces/strip; dark gray



Item No.: 726-906
Insulation stop; 0.25 mm² “s”; 0.14 - 0.25 mm² “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 mm²; 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



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


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### 1.1.6 Tool

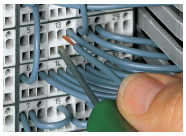
#### 1.1.6.1 Operating tool



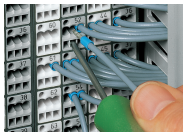
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

## Installation Notes

### Conductor termination



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

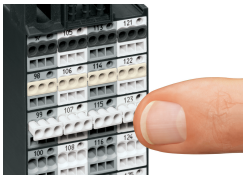


**CAGE CLAMP® connection**
Terminating ferruled conductors via operating tool.

| | Max. conductor cross section (mm²/AWG) without ferrule | Max. conductor cross section (mm²/AWG) with ferrule | | | |
|---|---|---|---|---|---|
| | | insulated | | uninsulated | |
| | | | Item No./Color | | 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 |

Ferrules

### Conductor termination

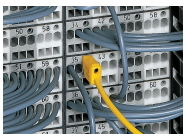


Inserting an insulation stop into conductor entry holes of matrix patchboards.



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.



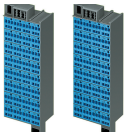
Assembling a matrix patchboard with additional module – direct connection to the mounting frame.


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Installation example:
Matrix patchboards in a frame

## Ex application

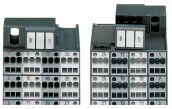


Blue matrix patchboards are suitable for Ex i applications.

## Marking



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



Individual group marking via WMB Multi Marking System