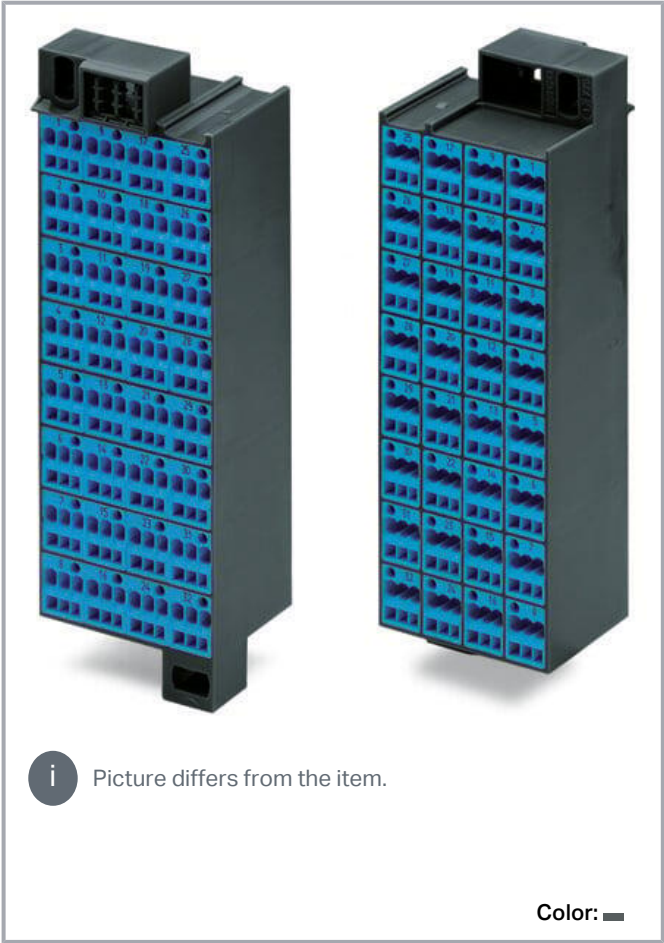


**Data sheet | Item number: 726-142**

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 mm<sup>2</sup>; dark gray

[www.wago.com/726-142](http://www.wago.com/726-142)



**Data**  
**Electrical data**

**Ratings per IEC/EN**

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

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

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## Connection data

### Connection 1

|                                 |                                    |
|---------------------------------|------------------------------------|
| Connection type 1               | 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                                 |
| Wiring direction                | Front-entry wiring                 |

### Connection 2

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

## 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                       | dark gray                                                |
| Module color                | blue                                                     |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Fire load                   | 4.209 MJ                                                 |
| Weight                      | 170.2 g                                                  |

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

## Commercial data

|                       |                         |
|-----------------------|-------------------------|
| Product Group         | 12 (Matrix Patch Board) |
| eCl@ss 10.0           | 27-24-26-08             |
| eCl@ss 9.0            | 27-24-26-08             |
| ETIM 8.0              | EC001604                |
| ETIM 7.0              | EC001604                |
| PU (SPU)              | 20 (1) pcs              |
| Packaging type        | box                     |
| Country of origin     | DE                      |
| GTIN                  | 4044918455268           |
| Customs tariff number | 85369010000             |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.       | EN 60998                 | NTR NL-7623      |
|  | CSA<br>CSA Group                      | C22.2 No. 158            | 1101143          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60998                 | 71-100850        |
|  | UL<br>UL International Germany GmbH   | UL 1059                  | E45172           |

## Declarations of conformity and manufacturer's declarations

| Logo | Approval                     | Additional Approval Text | Certificate name |
|------|------------------------------|--------------------------|------------------|
|      | EU-Declaration of Conformity | -                        | -                |

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UK-Declaration of Conformity  
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## Optional accessories

### Ferrule

Ferrule

|                                                                                 |                                                                                                                             |                                                                |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 216-123</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored | <a href="http://www.wago.com/216-123">www.wago.com/216-123</a> |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray          | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |

### Insulation stop

Insulation stop

|                                                                                    |                                                                                                                                           |                                                                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|   | <b>Item no.: 726-901</b><br>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      | <a href="http://www.wago.com/726-901">www.wago.com/726-901</a> |
|  | <b>Item no.: 726-906</b><br>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 | <a href="http://www.wago.com/726-906">www.wago.com/726-906</a> |
|  | <b>Item no.: 726-907</b><br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> "s+f-st"; 4 x 3 pieces/strip; dark gray                           | <a href="http://www.wago.com/726-907">www.wago.com/726-907</a> |

### Connector

Common potential terminal block

|                                                                                    |                                                                                                                                                                                              |                                                                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 726-903</b><br>Additional module for matrix patchboards; for snap-on fixing to mounting adapter; with contact to mounting frame; with CAGE CLAMP®; 4,00 mm <sup>2</sup> ; white | <a href="http://www.wago.com/726-903">www.wago.com/726-903</a> |
|  | <b>Item no.: 726-904</b><br>Additional module for matrix patchboards; for snap-on fixing to mounting adapter; insulated; with CAGE CLAMP®; 4,00 mm <sup>2</sup> ; gray                       | <a href="http://www.wago.com/726-904">www.wago.com/726-904</a> |

### Jumpers

Jumper

|                                                                                    |                                                                                         |                                                                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 709-107</b><br>Wire commoning chain; 0.5 mm <sup>2</sup> ; insulated; gray | <a href="http://www.wago.com/709-107">www.wago.com/709-107</a> |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------|

### Tool

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

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## Operating tool



**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

## Marking accessories

### Marking strip



**Item no.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

[www.wago.com/2009-110](http://www.wago.com/2009-110)

### Marker carrier



**Item no.: 726-902**

Adaptor; dark gray

[www.wago.com/726-902](http://www.wago.com/726-902)

### Marker



**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115](http://www.wago.com/2009-115)



**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

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)



**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

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**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

[www.wago.com/793-5501/000-014](http://www.wago.com/793-5501/000-014)



**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

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)



**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

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)

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

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WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet [www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)



**Item no.: 793-5502**

WMB marking card; as card; MARKED; 1 ... 10 (10x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white [www.wago.com/793-5502](http://www.wago.com/793-5502)



**Item no.: 793-5566**

WMB marking card; as card; MARKED; 1 ... 50 (2x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white [www.wago.com/793-5566](http://www.wago.com/793-5566)



**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 [www.wago.com/793-5501/000-005](http://www.wago.com/793-5501/000-005)



**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 [www.wago.com/793-5501/000-002](http://www.wago.com/793-5501/000-002)



**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 [www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)



**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 [www.wago.com/793-5501](http://www.wago.com/793-5501)

## Downloads

### Documentation

#### Bid Text

|              |             |         |          |
|--------------|-------------|---------|----------|
| 726-142      | 2019 Feb 21 | docx    | Download |
| docx - Datei |             | 14.8 kB |          |
| 726-142      | 2019 Feb 19 | xml     | Download |
| X81 - Datei  |             | 3.5 kB  |          |

#### Additional Information

pdf  
2.3 MB  
Download

## CAD/CAE-Data

### CAE data

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

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EPLAN Data Portal 726-142

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WSCAD Universe 726-142

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Environmental Product Compliance

Compliance Search

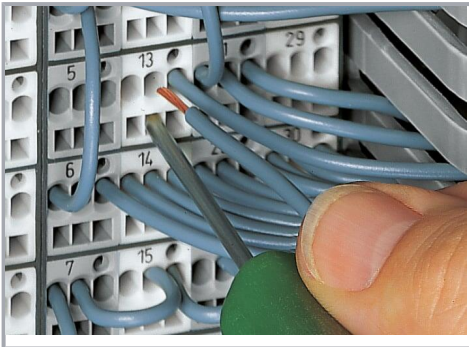
Environmental Product Compliance 726-142

URL      Download

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; dark gray

Installation Notes

Conductor termination



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



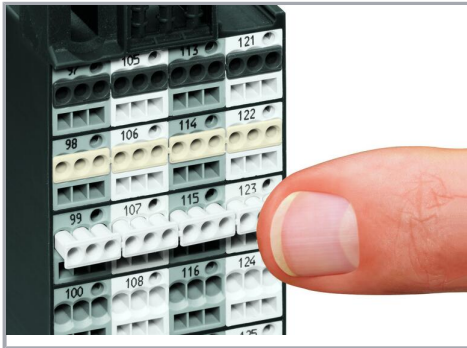
**CAGE CLAMP® connection**  
Terminating ferruled conductors via operating tool.

|        | Max. conductor cross section<br>(mm²/AWG)<br>without ferrule | Max. conductor cross section (mm²/AWG)<br>with ferrule |                                 |             |                     |
|--------|--------------------------------------------------------------|--------------------------------------------------------|---------------------------------|-------------|---------------------|
|        |                                                              | insulated                                              |                                 | uninsulated |                     |
| Side 2 | 1.5                                                          | 0.75                                                   | Item No./Color<br>216-202/ gray | 1           | Item No.<br>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

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

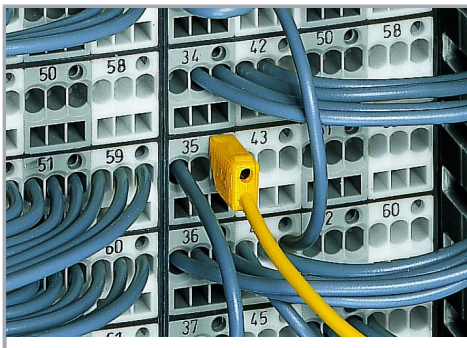


Inserting an insulation stop into conductor entry holes of matrix patchboards.

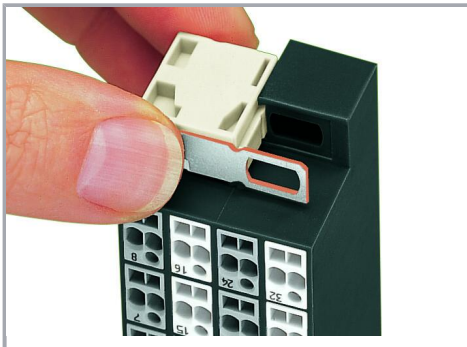


Insulation stop is in place.

### Testing



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

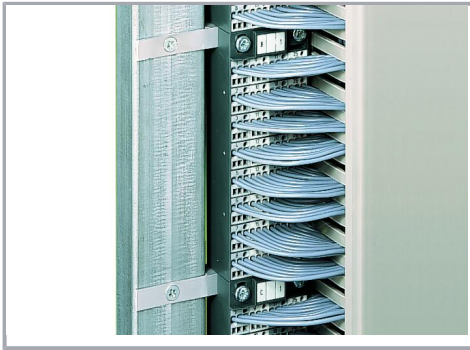


Snapping on an additional module with contact to mounting frame.



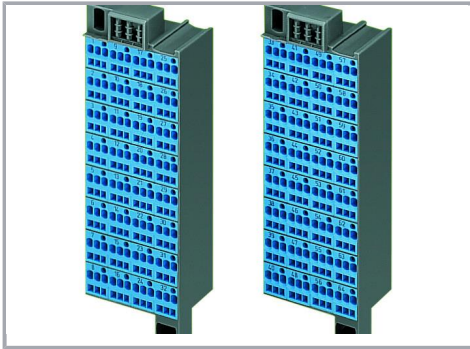
Assembling a matrix patchboard with additional module – direct connection to the mounting frame.

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



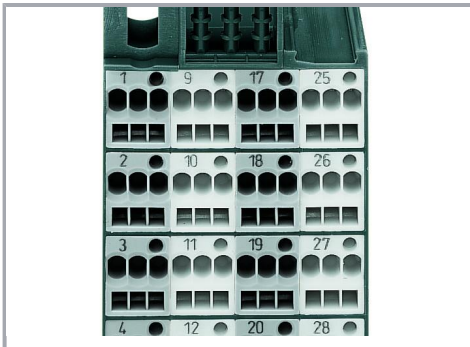
Installation example:  
Matrix patchboards in a frame

#### 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

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