

**Data sheet | Item number: 726-441**

Matrix patchboard; 48-pole; Marking 1-48; 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/726-441](http://www.wago.com/726-441)



**Data**  
**Electrical data**

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

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## 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) $\hat{=}$ Overvoltage category III / Pollution degree 3

## Connection data

### Connection 1

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

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



## 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	4.608 MJ
Weight	243.5 g

## 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)	10 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4044918455510
Customs tariff number	85369010000

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 60998	NTR NL-7623
	<b>CSA</b> CSA Group	C22.2 No. 158	1101143
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60998	71-100850

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UL  
UL International Germany GmbH

UL 1059

E45172

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

#### Optional accessories

##### Marking accessories

Marking strip			
	<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white		<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
Marker carrier			
	<b>Item no.: 726-902</b> Adaptor; dark gray		<a href="http://www.wago.com/726-902">www.wago.com/726-902</a>
Marker			
	<b>Item no.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white		<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
	<b>Item no.: 793-5501/000-007</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray		<a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a>
	<b>Item no.: 793-5501/000-012</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange		<a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a>
	<b>Item no.: 793-5501/000-014</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown		<a href="http://www.wago.com/793-5501/000-014">www.wago.com/793-5501/000-014</a>
	<b>Item no.: 793-5501/000-017</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green		<a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a>
	<b>Item no.: 793-5501/000-023</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green		<a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a>
	<b>Item no.: 793-5501/000-024</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet		<a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a>

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<b>Item no.: 793-5502</b> WMB marking card; as card; MARKED; 1 ... 10 (10x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-5502">www.wago.com/793-5502</a>
<b>Item no.: 793-5566</b> WMB marking card; as card; MARKED; 1 ... 50 (2x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-5566">www.wago.com/793-5566</a>
<b>Item no.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a>
<b>Item no.: 793-5501/000-002</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a>
<b>Item no.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a>
<b>Item no.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>

#### Connector

##### Common potential terminal block

<b>Item no.: 726-903</b> Additional module for matrix patchboards; for snap-on fixing to mounting adapter; with contact to mounting frame; with CAGE CLAMP®; 4,00 mm²; white	<a href="http://www.wago.com/726-903">www.wago.com/726-903</a>
<b>Item no.: 726-904</b> Additional module for matrix patchboards; for snap-on fixing to mounting adapter; insulated; with CAGE CLAMP®; 4,00 mm²; gray	<a href="http://www.wago.com/726-904">www.wago.com/726-904</a>

#### Jumpers

##### Jumper

<b>Item no.: 709-107</b> Wire commoning chain; 0.5 mm²; insulated; gray	<a href="http://www.wago.com/709-107">www.wago.com/709-107</a>
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#### Tool

##### Operating tool

<b>Item no.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-719">www.wago.com/210-719</a>
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#### Ferrule

##### Ferrule

<b>Item no.: 216-123</b> Ferrule; Sleeve for 1 mm² / 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> Ferrule; Sleeve for 0.75 mm² / 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

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

**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[www.wago.com/726-901](http://www.wago.com/726-901)**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[www.wago.com/726-906](http://www.wago.com/726-906)**Item no.: 726-907**Insulation stop; 0.25 - 0.5 mm<sup>2</sup> "s+f-st"; 4 x 3 pieces/strip; dark gray[www.wago.com/726-907](http://www.wago.com/726-907)**Downloads****Documentation****Bid Text**

726-441 docx - Datei	2019 年2月21 日	docx 15.0 kB	Download
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726-441 X81 - Datei	2019 年2月19 日	xml 3.5 kB	Download
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**Additional Information**

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**CAD/CAE-Data****CAE data**

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**CAD data**

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**Environmental Product Compliance****Compliance Search**

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## Installation Notes

### Conductor termination



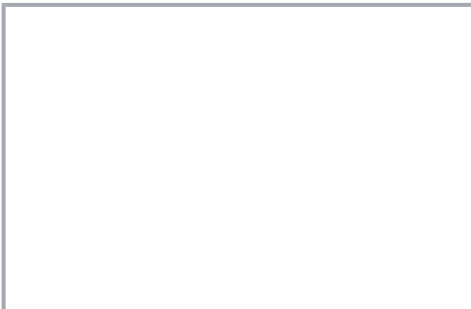
### CAGE CLAMP® connection

Inserting a conductor via 210-719 Operating Tool (2.5 x 0.4 mm blade).



### CAGE CLAMP® connection

Terminating ferruled conductors via operating tool.



### Ferrules

### Conductor termination

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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  $\varnothing$  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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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!