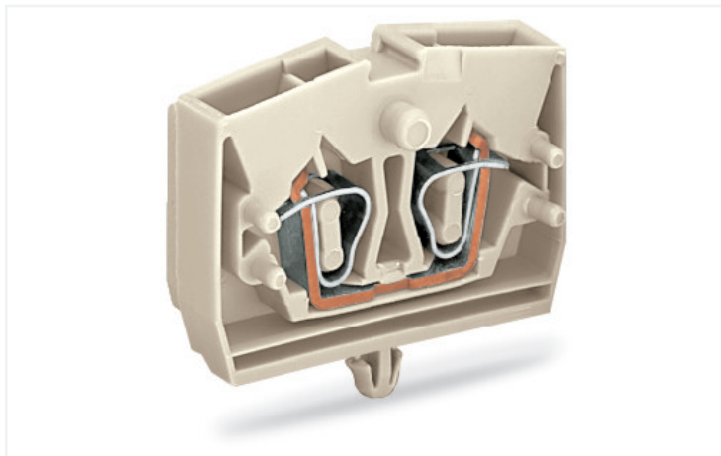


## Data Sheet | Item Number: 264-180

2-conductor terminal block; without push-buttons; suitable for Ex e II applications; with snap-in mounting foot; 1-pole; for plate thickness 0.6 - 1.2 mm; Fixing hole 3.5 mm Ø; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; light gray

<https://www.wago.com/264-180>



Color: ■ light gray

### Electrical data

#### Ex information

Reference hazardous areas See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"

Rated voltage EN (Ex e II) 690 V

Rated current (Ex e II) 23 A

### Connection data

Connection points 2

Total number of potentials 1

Number of levels 1

#### Connection 1

Connection technology CAGE CLAMP®

Actuation type Operating tool

Connectable conductor materials Copper

Solid conductor 0.08 ... 2.5 mm<sup>2</sup> / 28 ... 12 AWG

Fine-stranded conductor 0.08 ... 2.5 mm<sup>2</sup> / 28 ... 12 AWG

Note (conductor cross-section) 12 AWG: THHN, THWN

Strip length 8 ... 9 mm / 0.31 ... 0.35 inches

Wiring direction Front-entry wiring

### Physical data

Width 6 mm / 0.236 inches

Height from the surface 22.1 mm / 0.87 inches

Depth 32 mm / 1.26 inches

### Mechanical data

|               |                 |
|---------------|-----------------|
| Design        | horizontal type |
| Mounting type | Snap-in foot    |
| Marking level | Center marking  |

### Material data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | light gray   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Fire load                   | 0.075 MJ   |
| Halogen-free                | Yes  |
| Weight                      | 3.8 g  |

### Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Processing temperature           | -35 ... +85 °C  |
| Continuous operating temperature | -60 ... +105 °C |

### Commercial data

|                       |                           |
|-----------------------|---------------------------|
| Product Group         | 9 (Std Chassis Mt Blocks) |
| eCl@ss 10.0           | 27-14-11-06               |
| eCl@ss 9.0            | 27-14-11-06               |
| ETIM 8.0              | EC001284                  |
| ETIM 7.0              | EC001284                  |
| PU (SPU)              | 100 pcs                   |
| Packaging type        | Box                       |
| Country of origin     | CH                        |
| GTIN                  | 4044918415095             |
| Customs tariff number | 85369010000               |

### Environmental Product Compliance

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

### Approvals / Certificates

#### General approvals



| Approval                             | Standard | Certificate Name |
|--------------------------------------|----------|------------------|
| CB<br>DEKRA Certification B.V.       | EN 60998 | NL-49768         |
| CCA<br>DEKRA Certification B.V.      | EN 60998 | NTR NL-7342      |
| CCA<br>DEKRA Certification B.V.      | EN 60998 | 2175624.01       |
| CSA<br>DEKRA Certification B.V.      | C22.2    | 70010891         |
| UR<br>Underwriters Laboratories Inc. | UL 1059  | E45172           |

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

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

Approvals for marine applications



| Approval   | Standard  | Certificate Name |
|--|-----------|------------------|
| ABS<br>American Bureau of Shipping               | -         | 19-HG1869868-PDA |
| DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -         | TAE00001V2       |
| LR<br>Lloyds Register                            | IEC 60998 | LR22173030TA     |

Approvals for hazardous areas



| Approval   | Standard       | Certificate Name   |
|--|----------------|--|
| AEx<br>UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt | UL 60079       | E185892 (AEx eb IIC resp. Ex eb IIC)                           |
| ATEX<br>Physikalisch Technische Bundesanstalt (PTB)                            | EN 60079       | PTB 98 ATEX 3129 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
| CCC<br>CQST/CNEC   | GB/T 3836.3    | 2020312313000187 (Ex eb IIC Gb, Ex eb I Mb)                    |
| EAC<br>Brjansker Zertifizierungsstelle   | TP TC 012/2011 | RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U)                       |
| IECEX<br>Physikalisch Technische Bundesanstalt (PTB)                           | IEC 60079      | IECEX PTB 04.0003U (Ex e IIC Gb and Ex eb I Mb)                |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                                       | IEC 60079      | TÜV 12.1299 U  |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 264-180



Documentation

Bid Text

| Item    | Date       | File Name | Size     | Action |
|---------|------------|-----------|----------|--------|
| 264-180 | 19.02.2019 | xml       | 3.29 KB  |        |
| 264-180 | 14.06.2017 | doc       | 24.50 KB |        |

CAD/CAE-Data

CAD data

2D/3D Models 264-180



CAE data

EPLAN Data Portal 264-180



WSCAD Universe 264-180



ZUKEN Portal 264-180



**1 Compatible Products**

**1.1 System counterpart**

**1.1.1 Through terminal block**



**Item No.: 264-131**  
 2-conductor center terminal block; without push-buttons; suitable for Ex e II applications; 1-pole; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; light gray

**1.2 Required Accessories**

**1.2.1 End plate**

**1.2.1.1 End plate**



**Item No.: 264-373**  
 End plate; for terminal blocks with snap-in mounting foot; 4 mm thick; light gray

**1.3 Optional Accessories**

**1.3.1 DIN-rail**

**1.3.1.1 Mounting accessories**



**Item No.: 210-154**  
 Aluminum carrier rail; 1000 mm long; 18 mm wide; 7 mm high; silver-colored

**1.3.2 Ferrule**

**1.3.2.1 Ferrule**



**Item No.: 216-321**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item No.: 216-151**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item No.: 216-131**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-322**  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item No.: 216-132**  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item No.: 216-152**  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item No.: 216-201**  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white



**Item No.: 216-221**  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white



**Item No.: 216-101**  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-121**  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-202**  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray



**Item No.: 216-222**  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray



**Item No.: 216-102**  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-122**  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-203**  
 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red



**Item No.: 216-223**  
 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red

### 1.3.2.1 Ferrule



**Item No.: 216-103**  
 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; un-insulated; electro-tin plated



**Item No.: 216-123**  
 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-204**  
 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; in-sulated; electro-tin plated; black



**Item No.: 216-224**  
 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; in-sulated; electro-tin plated; black



**Item No.: 216-124**  
 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated



**Item No.: 216-104**  
 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-205**  
 Ferrule; Sleeve for 2.08 mm<sup>2</sup> / AWG 14; in-sulated; electro-tin plated; yellow



**Item No.: 216-206**  
 Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; in-sulated; electro-tin plated; blue



**Item No.: 216-106**  
 Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; un-insulated; electro-tin plated; silver-colored

### 1.3.3 Installation

#### 1.3.3.1 Cover



**Item No.: 709-153**  
 Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

#### 1.3.3.2 Cover carrier



**Item No.: 709-167**  
 Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

### 1.3.4 Jumper

#### 1.3.4.1 Jumper



**Item No.: 281-492**  
 Jumper; 2-way; insulated; gray



**Item No.: 264-402**  
 Jumper; for conductor entry; 2-way; insulated; gray

### 1.3.5 Marking

#### 1.3.5.1 Marker

**Item No.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

**Item No.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

**Item No.: 2009-145/000-023**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

**Item No.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

**Item No.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

**Item No.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

**Item No.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

**Item No.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



**Item No.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

**Item No.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

**Item No.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

**Item No.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



**Item No.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

**Item No.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

**Item No.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

**Item No.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

### 1.3.6 Tool

#### 1.3.6.1 Operating tool



**Item No.: 210-658**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured



**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

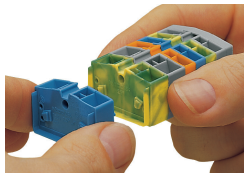


**Item No.: 209-130**

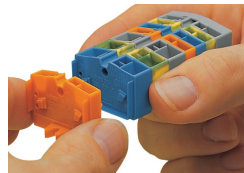
Operating tool; made of insulating material; 1-way; for 264 Series (1-/2-way), 280, 281 Series (up to 3-way); natural

### Installation Notes

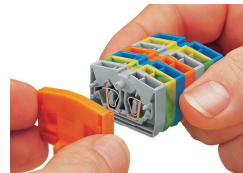
#### Installation



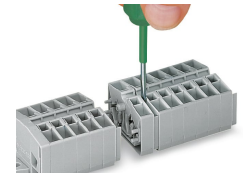
Assembling modular terminal blocks into terminal strips.



Mounting an "end terminal block" with mounting flange.



Mounting an end plate.



Removing a terminal block.

## Conductor termination

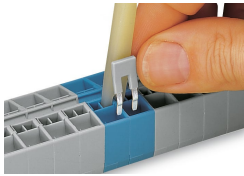


### CAGE CLAMP® connection

Inserting a conductor.

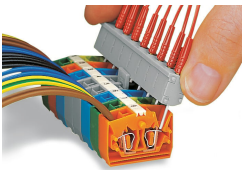
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

## Commoning



Commoning with comb-style jumper bar.

## Testing

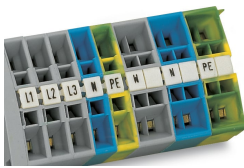


Testing by touch contact to the CAGE CLAMP® spring (limited to 0.5 A and 48 V test voltage) – test pins are not protected against accidental contact.



Testing via CAGE CLAMP® on the current bar (max. nominal current: 6 A). CAGE CLAMP® clamps individual test contacts. The maximum test voltage is 400 V.

## Marking



Marking via Mini-WSB Quick Marking System.