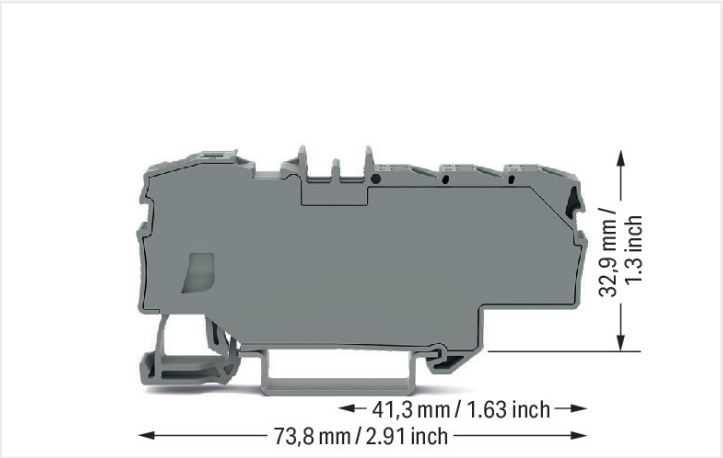


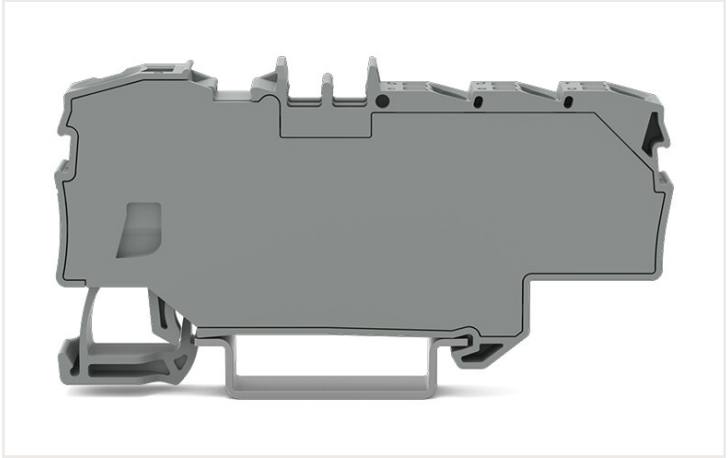
**Data sheet | Item number: 2006-8031**

Distribution terminal block; with operating slots; 1 x 6 mm² / 6 x 1.5 mm²; with integrated end plate; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 6,00 mm²; gray

<https://www.wago.com/2006-8031>



Color: gray



**Electrical data**

| Ratings per IEC/EN            |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Nominal voltage (III/3)       | 800 V                                                     |
| Rated impulse voltage (III/3) | 8 kV                                                      |
| Rated current                 | 41 A                                                      |
| Legend (ratings)              | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

| Ratings per IEC/EN 2 |      |
|----------------------|------|
| Rated current 2      | 57 A |

| Power loss                                                   |           |
|--------------------------------------------------------------|-----------|
| Power loss, per pole (potential)                             | 1.3112 W  |
| Rated current I <sub>N</sub> for specified power loss        | 41 A      |
| Resistance value for specified, current-dependent power loss | 0.00078 Ω |

**Connection data**

|                            |   |
|----------------------------|---|
| Connection points          | 7 |
| Total number of potentials | 1 |
| Number of levels           | 1 |
| Number of jumper slots     | 2 |

| Connection 1                                               |                               |
|------------------------------------------------------------|-------------------------------|
| Connection type 1                                          | Input                         |
| Connection technology                                      | Push-in CAGE CLAMP®           |
| Number of connection points                                | 1                             |
| Actuation type                                             | Operating tool                |
| Connectable conductor materials                            | Copper                        |
| Nominal cross-section                                      | 6 mm²                         |
| Solid conductor                                            | 0.5 ... 10 mm² / 20 ... 8 AWG |
| Solid conductor; push-in termination                       | 2.5 ... 10 mm² / 14 ... 8 AWG |
| Fine-stranded conductor                                    | 0.5 ... 10 mm² / 20 ... 8 AWG |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 6 mm² / 20 ... 10 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 2.5 ... 6 mm² / 16 ... 10 AWG |

Note (conductor cross-section) Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

### Connection 1

|                  |                                     |
|------------------|-------------------------------------|
| Strip length     | 13 ... 15 mm / 0.51 ... 0.59 inches |
| Wiring direction | Front-entry wiring                  |

### Connection 2

|                                                               |                                    |
|---------------------------------------------------------------|------------------------------------|
| Connection type 2                                             | Output                             |
| Connection technology 2                                       | Push-in CAGE CLAMP®                |
| Number of connection points 2                                 | 6                                  |
| Nominal cross-section 2                                       | 1.5 mm²                            |
| Solid conductor 2                                             | 0.25 ... 2.5 mm² / 22 ... 14 AWG   |
| Solid conductor; push-in termination 2                        | 0.75 ... 2.5 mm² / 18 ... 14 AWG   |
| Fine-stranded conductor 2                                     | 0.25 ... 2.5 mm² / 22 ... 14 AWG   |
| Fine-stranded conductor; with insulated ferrule 2             | 0.25 ... 1.5 mm² / 22 ... 16 AWG   |
| Fine-stranded conductor; with ferrule; push-in termination; 2 | 0.75 ... 1.5 mm² / 18 ... 16 AWG   |
| Strip length 2                                                | 9 ... 11 mm / 0.35 ... 0.43 inches |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 9 mm / 0.354 inches    |
| Height                            | 73.8 mm / 2.905 inches |
| Depth from upper-edge of DIN-rail | 32.9 mm / 1.295 inches |

### Mechanical Data

|               |                     |
|---------------|---------------------|
| Mounting type | DIN-35 rail         |
| Marking level | Center/side marking |

### Material Data

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | gray                                                                     |
| Material group              | I                                                                        |
| Insulation material         | Polyamide (PA66)                                                         |
| Flammability class per UL94 | V0                                                                       |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                                        |
| Fire load                   | 0.316 MJ                                                                 |
| Weight                      | 16.2 g                                                                   |

### Environmental requirements

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

### Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC000897      |
| ETIM 7.0              | EC000897      |
| PU (SPU)              | 12 pcs        |
| Country of origin     | DE            |
| GTIN                  | 4066966185751 |
| Customs tariff number | 85369010000   |



Approvals and certificates

General approvals



| Approval                             | Standard | Certificate name |
|--------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.      | EN 60947 | 71-122840 REV.1  |
| CCA<br>DEKRA Certification B.V.      | EN 60947 | NTR NL 7925/1    |
| UL<br>Underwriters Laboratories Inc. | UL 1059  | E45172           |

Downloads

Environmental Product Compliance

| Compliance Search                          |
|--------------------------------------------|
| Environmental Product Compliance 2006-8031 |



Documentation

| Additional Information | Bid Text         |
|------------------------|------------------|
| Technical Section      | 2006-8031        |
| pdf<br>2142.18 KB      | xml<br>6.12 KB   |
|                        | 2006-8031        |
|                        | docx<br>26.33 KB |



CAD/CAE-Data

| CAD data                  | CAE data                       |
|---------------------------|--------------------------------|
| 2D/3D Models<br>2006-8031 | EPLAN Data Portal<br>2006-8031 |



1 Compatible products

1.1 Optional accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories



|                                                                                                                                        |                                                                                                                                       |                                                                                                                                  |                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|



1.1.1.1 Mounting accessories



**Item no.: 210-118**  
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



**Item no.: 210-115**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored



**Item no.: 210-112**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored



**Item no.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

1.1.2 Ferrule

1.1.2.1 Ferrule



**Item no.: 216-262**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item no.: 216-263**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item no.: 216-264**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item no.: 216-266**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item no.: 216-267**  
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item no.: 216-208**  
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.1.3 Installation

1.1.3.1 Cover



**Item no.: 709-156**  
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.1.3.2 Cover carrier



**Item no.: 709-169**  
Cover carrier; Type 3; gray

1.1.4 Jumper

1.1.4.1 Jumper



**Item no.: 2001-402**  
Jumper; 2-way; insulated; light gray



**Item no.: 2001-403**  
Jumper; 3-way; insulated; light gray



**Item no.: 2001-404**  
Jumper; 4-way; insulated; light gray

## 1.1.5 Marking

## 1.1.5.1 Group marker carrier



Item no.: 2009-191

Group marker carrier; gray

Item no.: 2009-192

Group marker carrier; gray

Item no.: 2009-193

Group marker carrier; gray

## 1.1.5.2 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

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.: 793-5501/000-007

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.: 793-501/000-006

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

Item no.: 793-501/000-007

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



Item no.: 793-501/000-023

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

Item no.: 793-501/000-017

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

Item no.: 793-501/000-012

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

Item no.: 793-501/000-005

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



Item no.: 793-501/000-024

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

Item no.: 793-501

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

Item no.: 793-501/000-002

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

Item no.: 2009-115/000-006

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



Item no.: 2009-115/000-007

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

Item no.: 2009-115/000-023

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

Item no.: 2009-115/000-017

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

Item no.: 2009-115/000-012

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



1.1.5.2 Marker



**Item no.: 2009-115/000-024**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



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



**Item no.: 2009-115/000-002**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.1.5.3 Marker carrier



**Item no.: 2009-198**  
Adaptor; gray

1.1.5.4 Marking strip



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

1.1.6 Test and measurement

1.1.6.1 Testing accessories



**Item no.: 2009-174**  
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray



**Item no.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red



**Item no.: 2009-182**  
Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.1.7 Tool

1.1.7.1 Operating tool



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



**Item no.: 210-721**  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation notes

A clear marking of clamping units is molded in.



Application

|                                                                                                                              |                                                                                                                              |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers | Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers | Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers |
| Note:<br>The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.      | Note:<br>The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.      | Note:<br>The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.      |