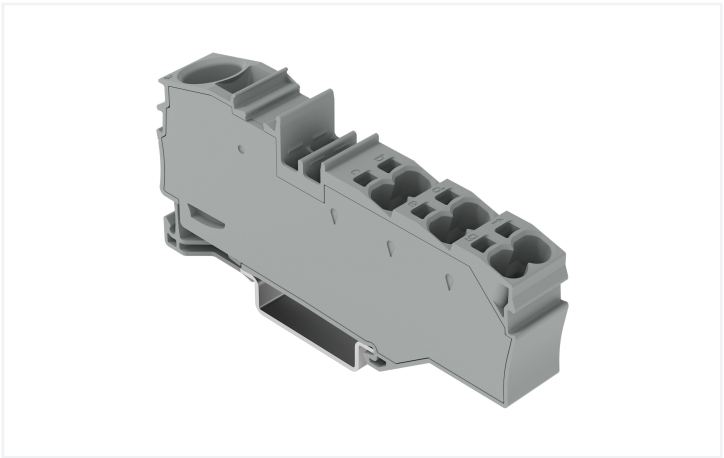
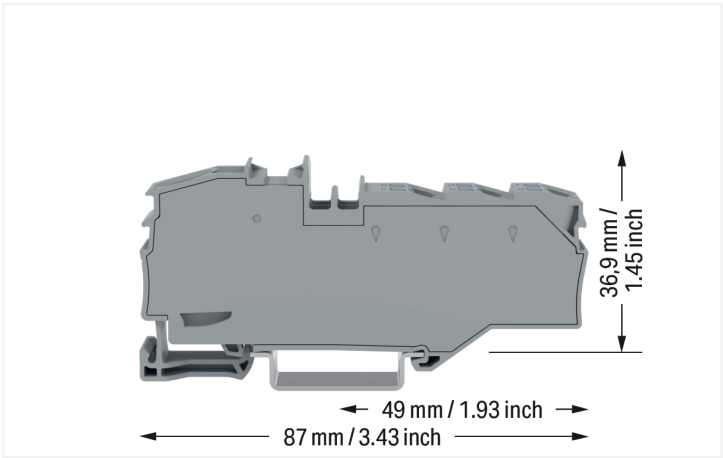


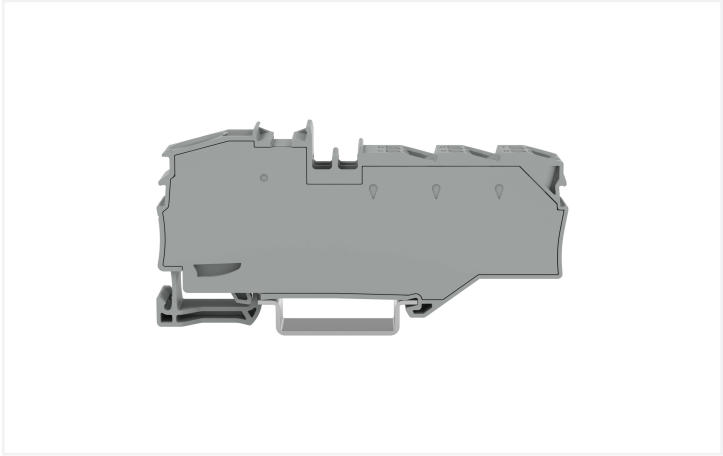
**Data Sheet | Item Number: 2016-8031**

Distribution terminal block; with operating slots; 1 x 16 mm<sup>2</sup> / 6 x 4 mm<sup>2</sup>; with integrated end plate; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 16,00 mm<sup>2</sup>; gray

<https://www.wago.com/2016-8031>



Color: ■ gray



**Verteilerklemme Serie 2016 mit Betätigungswerkzeug**

Die Verteilerklemme mit der Artikelnummer 2016-8031 bietet eine saubere Elektroinstallation. Bei dieser Verteilerklemme ist für den Leiteranschluss eine Abisolierlänge im Bereich von 18 bis 20 mm erforderlich. Mit Verteilerklemmen lassen sich Potentialverteilungen extrem kompakt mit nur einer Klemme umsetzen. Ihr Aufbau ermöglicht den Anschluss von größeren Leiterquerschnitten auf der einen und mehreren kleinen Leiterquerschnitten auf der anderen Seite. Neben der Potentialverteilung können diese Klemmen auch für die Sammlung von Potentialen eingesetzt werden. Bei diesem Produkt wird die Push-in CAGE CLAMP®- sowie die Push-in CAGE CLAMP®-Technologie genutzt. Push-in CAGE CLAMP® ist der wartungsfreie Universalanschluss für alle Leiterarten mit dem Zusatznutzen des direkten Steckens: Push-in. Starre Leiter sowie feindrähtige Leiter mit Aderendhülse können ohne Werkzeug direkt gesteckt werden. Eine Vorbehandlung der Leiter, z.B. durch das Aufcrimpen von Aderendhülsen, ist nicht erforderlich. Die Maße sind in Breite x Höhe x Tiefe (12,8 x 87 x 43,5) mm. Diese Verteilerklemme ist in Abhängigkeit von der Leiterart für Leiterquerschnitte von 0,5 mm<sup>2</sup> bis 16 mm<sup>2</sup> zum einen und für Leiterquerschnitte von 0,5 mm<sup>2</sup> bis 6 mm<sup>2</sup> zum anderen geeignet. Über ein Betätigungswerkzeug wird diese Durchgangsreihen-klemme betätigt. Die TOPJOB® S Reihen-klemmen bieten in verschiedenen Industrieanwendungen und in der modernen Gebäudeinstallation eine sichere elektrische Verbindung. Sie ermöglichen einfaches Verdrahten durch das direkte Stecken eindrähtiger, mehrdrähtiger sowie feindrähtiger Leiter mit Aderendhülsen. Dieses Produkt ist für bestimmte Ex-Anwendungen geeignet (siehe Produktdatenblatt).

| Electrical data                                           |                                                           |                                                       |          |
|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|----------|
| Ratings per IEC/EN                                        |                                                           | Power Loss                                            |          |
| Ratings per                                               | IEC/EN 60664-1                                            | Power loss, per pole (potential)                      | 2.4259 W |
| Nominal voltage (III/3)                                   | 800 V                                                     | Rated current I <sub>N</sub> for specified power loss | 76 A     |
| Rated impulse withstand voltage (III / 3)                 | 8 kV                                                      |                                                       |          |
| Rated current                                             | 76 A                                                      |                                                       |          |
| Current at conductor cross-section (max.) mm <sup>2</sup> | 90 A                                                      |                                                       |          |
| Legend (ratings)                                          | (III / 3) Δ Overvoltage category III / Pollution degree 3 |                                                       |          |

## Connection data

|                            |   |
|----------------------------|---|
| Clamping units             | 7 |
| Total number of potentials | 1 |
| Number of levels           | 1 |

## Connection 1

|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection type                                            | Input                                                                                                                             |
| Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| Number of connection points                                | 1                                                                                                                                 |
| Actuation type                                             | Operating tool                                                                                                                    |
| Connectable conductor materials                            | Copper                                                                                                                            |
| Nominal cross-section                                      | 16 mm²                                                                                                                            |
| Solid conductor                                            | 0.5 ... 16 mm² / 20 ... 6 AWG                                                                                                     |
| Solid conductor; push-in termination                       | 6 ... 16 mm² / 10 ... 6 AWG                                                                                                       |
| Stranded conductor                                         | 0.5 ... 6 mm² / 20 ... 8 AWG                                                                                                      |
| Fine-stranded conductor                                    | 0.5 ... 25 mm² / 20 ... 4 AWG                                                                                                     |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 16 mm² / 20 ... 6 AWG                                                                                                     |
| Fine-stranded conductor; with uninsulated ferrule          | 0.5 ... 16 mm² / 20 ... 6 AWG                                                                                                     |
| Fine-stranded conductor; with ferrule; push-in termination | 6 ... 16 mm² / 10 ... 6 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. |
| Strip length                                               | 18 ... 20 mm / 0.71 ... 0.79 inches                                                                                               |

## Connection 2

|                                                            |                                     |
|------------------------------------------------------------|-------------------------------------|
| Connection type                                            | Output                              |
| Connection technology                                      | Push-in CAGE CLAMP®                 |
| Number of connection points                                | 6                                   |
| Solid conductor                                            | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Solid conductor; push-in termination                       | 1.5 ... 6 mm² / 16 ... 10 AWG       |
| Stranded conductor                                         | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Fine-stranded conductor                                    | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 4 mm² / 20 ... 12 AWG       |
| Fine-stranded conductor; with uninsulated ferrule          | 0.5 ... 4 mm² / 20 ... 12 AWG       |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 ... 4 mm² / 16 ... 12 AWG       |
| Strip length                                               | 11 ... 13 mm / 0.43 ... 0.51 inches |

## Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 12.8 mm / 0.504 inches |
| Height                            | 87 mm / 3.425 inches   |
| Depth from upper-edge of DIN-rail | 36.9 mm / 1.453 inches |
| Depth                             | 43.5 mm / 1.713 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 (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Clamping spring material           | Chrome-nickel spring steel (CrNi)                                        |
| Fire load                          | 0.543 MJ                                                                 |
| Weight                             | 31.3 g                                                                   |

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

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 7 pcs         |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4066966661934 |
| Customs tariff number | 85369010000   |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121410             |
| ETIM 9.0               | EC000897             |
| ECCN                   | NO US CLASSIFICATION |

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2016-8031

↓



1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories



**Item No.: 210-196**  
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



**Item No.: 210-198**  
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored



**Item No.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



**Item No.: 210-114**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



**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 Installation

1.1.2.1 Cover



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

1.1.2.2 Cover carrier



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

1.1.3 Jumper

1.1.3.1 Jumper



**Item No.: 2004-403**  
Jumper; 3-way; insulated; light gray



**Item No.: 2004-404**  
Jumper; 4-way; insulated; light gray



**Item No.: 2004-405**  
Jumper; 5-way; insulated; light gray

## 1.1.4 Marking

## 1.1.4.1 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

## 1.1.4.2 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



1.1.4.2 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

1.1.4.3 Marker carrier



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

1.1.4.4 Marking strip



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

1.1.5 Screwless end stop

1.1.5.1 Mounting accessories



**Item No.: 249-117**  
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



**Item No.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

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



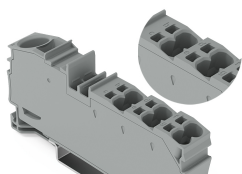
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



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

## Installation Notes

### Application



A clear marking of clamping units is molded in.