

**Data Sheet | Item Number: 869-183**

2-conductor terminal strip; without push-buttons; with snap-in mounting feet; 3-pole; for plate thickness 0.6 - 1.2 mm; Fixing hole 3.5 + 0.1 mm Ø; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; light gray

<https://www.wago.com/869-183>



Color: ■ light gray

Similar to illustration

**Notes**

|                    |                                  |
|--------------------|----------------------------------|
| Safety information | Max. insulation diameter: 4.4 mm |
|--------------------|----------------------------------|

**Electrical data**

| Ratings per IEC/EN            |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Nominal voltage (III/3)       | 500 V                                                     |
| Rated impulse voltage (III/3) | 6 kV                                                      |
| Rated current                 | 24 A                                                      |
| Legend (ratings)              | (III / 3) Δ Overvoltage category III / Pollution degree 3 |

**Connection data**

|                            |   |
|----------------------------|---|
| Connection points          | 6 |
| Total number of potentials | 3 |
| Number of levels           | 1 |

| Connection 1                                    |                                   |
|-------------------------------------------------|-----------------------------------|
| Connection technology                           | CAGE CLAMP®                       |
| Actuation type                                  | Operating tool                    |
| Connectable conductor materials                 | Copper                            |
| Solid conductor                                 | 0.08 ... 2.5 mm² / 28 ... 12 AWG  |
| Fine-stranded conductor                         | 0.08 ... 4 mm² / 28 ... 12 AWG    |
| Fine-stranded conductor; with insulated ferrule | 0.08 ... 1.5 mm² / 28 ... 14 AWG  |
| Strip length                                    | 6 ... 7 mm / 0.24 ... 0.28 inches |
| Pole number                                     | 3                                 |
| Wiring direction                                | Front-entry wiring                |



| Physical data           |                        |
|-------------------------|------------------------|
| Width                   | 17.5 mm / 0.689 inches |
| Height from the surface | 27.6 mm / 1.087 inches |
| Depth                   | 33.4 mm / 1.315 inches |
| Module width            | 5 mm / 0.197 inches    |

| Mechanical data |                 |
|-----------------|-----------------|
| Design          | horizontal type |
| Mounting type   | Snap-in foot    |
| Marking level   | Side marking    |

| Material data               |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">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                   | 0.264 MJ                                                                                                               |
| Halogen-free                | Yes                                                                                                                    |
| Weight                      | 13.8 g                                                                                                                 |

| Commercial data       |               |
|-----------------------|---------------|
| 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     | DE            |
| GTIN                  | 4044918481410 |
| Customs tariff number | 85369010000   |

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

Approvals / Certificates

| General approvals             |          |                | Declarations of conformity and manufacturer's declarations |          |                  |
|-------------------------------|----------|----------------|------------------------------------------------------------|----------|------------------|
|                               |          |                | Approval                                                   | Standard | Certificate Name |
| CCA                           | EN 60947 | 2143311.02     | EU-Declaration of Confor- mity                             | -        | -                |
| DEKRA Certification B.V.      |          |                | WAGO GmbH & Co. KG                                         |          |                  |
| CCA                           | EN 60947 | NTR NL 6827/A1 | UK-Declaration of Confor- mity                             | -        | -                |
| DEKRA Certification B.V.      |          |                | WAGO GmbH & Co. KG                                         |          |                  |
| UL                            | UL 1059  | E45172         |                                                            |          |                  |
| UL International Germany GmbH |          |                |                                                            |          |                  |



Approvals for marine applications



| Approval                                              | Standard | Certificate Name |
|-------------------------------------------------------|----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping               | EN 60947 | 20-HG1941090-PDA |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2       |

Downloads

Environmental Product Compliance

| Compliance Search                           |
|---------------------------------------------|
| Environmental Product<br>Compliance 869-183 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |

pdf  
2240.62 KB



| Bid Text |            |                 |                   |
|----------|------------|-----------------|-------------------|
| 869-183  | 19.02.2019 | xml<br>3.17 KB  | <a href="#">↓</a> |
| 869-183  | 14.06.2017 | doc<br>24.00 KB | <a href="#">↓</a> |



CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 869-183 |



| CAE data                  |
|---------------------------|
| WSCAD Universe<br>869-183 |
| ZUKEN Portal 869-183      |



1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories



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



1.1.2 Ferrule

1.1.2.1 Ferrule

|                                                                                                                   |                                                                                                                             |                                                                                                                            |                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                                  |                                            |                                          |                                          |
| <a href="#">Item No.: 216-321</a><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | <a href="#">Item No.: 216-131</a><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored | <a href="#">Item No.: 216-322</a><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise | <a href="#">Item No.: 216-132</a><br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated                 |
|                                  |                                            |                                           |                                          |
| <a href="#">Item No.: 216-221</a><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white   | <a href="#">Item No.: 216-121</a><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored  | <a href="#">Item No.: 216-222</a><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray            | <a href="#">Item No.: 216-122</a><br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored |
|                                  |                                            |                                           |                                          |
| <a href="#">Item No.: 216-223</a><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red       | <a href="#">Item No.: 216-123</a><br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored    | <a href="#">Item No.: 216-224</a><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black            | <a href="#">Item No.: 216-124</a><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated                  |

1.1.3 Installation

1.1.3.1 Mounting accessories



[Item No.: 209-120](#)  
Mounting foot; can be snapped on terminal blocks with snap-in mounting foot; for mounting on relay-modules; 6.4 mm wide; gray

1.1.4 Insulation stop

1.1.4.1 Insulation stop

|                                                                                                                   |                                                                                                  |                                                                                           |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|                                |               |       |
| <a href="#">Item No.: 280-470</a><br>Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white | <a href="#">Item No.: 280-471</a><br>Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray | <a href="#">Item No.: 280-472</a><br>Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; black |

1.1.5 Jumper

1.1.5.1 Jumper

|                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| <a href="#">Item No.: 870-405/011-000</a>                                           | <a href="#">Item No.: 870-407/011-000</a>                                           | <a href="#">Item No.: 870-409/011-000</a>                                            | <a href="#">Item No.: 870-406/020-000</a><br>Delta jumper; insulated; light gray      |
|  |  |   |  |
| <a href="#">Item No.: 870-410</a><br>Jumper; 10-way; insulated; light gray          | <a href="#">Item No.: 870-402</a><br>Jumper; 2-way; insulated; light gray           | <a href="#">Item No.: 870-403</a><br>Jumper; 3-way; insulated; light gray            | <a href="#">Item No.: 870-404</a><br>Jumper; 4-way; insulated; light gray             |
|  |  |   |  |
| <a href="#">Item No.: 870-405</a><br>Jumper; 5-way; insulated; light gray           | <a href="#">Item No.: 870-406</a><br>Jumper; 6-way; insulated; light gray           | <a href="#">Item No.: 870-407</a><br>Jumper; 7-way; insulated; light gray            | <a href="#">Item No.: 870-408</a><br>Jumper; 8-way; insulated; light gray             |
|  |  |  |  |
| <a href="#">Item No.: 870-409</a><br>Jumper; 9-way; insulated; light gray           | <a href="#">Item No.: 870-440</a><br>Jumper; from 1 to 10; insulated; light gray    | <a href="#">Item No.: 870-433</a><br>Jumper; from 1 to 3; insulated; light gray      | <a href="#">Item No.: 870-434</a><br>Jumper; from 1 to 4; insulated; light gray       |



1.1.5.1 Jumper



Item No.: 870-435  
Jumper; from 1 to 5; insulated; light gray

1.1.6 Marking

1.1.6.1 Marker

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Item No.: 2009-145/000-006<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>                  |  <p>Item No.: 2009-145/000-007<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>             |  <p>Item No.: 2009-145/000-023<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>          |  <p>Item No.: 2009-145/000-012<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>           |
|  <p>Item No.: 2009-145/000-005<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>                   |  <p>Item No.: 2009-145/000-024<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>           |  <p>Item No.: 2009-145<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>                  |  <p>Item No.: 2009-145/000-002<br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p>           |
|  <p>Item No.: 248-501/000-006<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue</p>                                                   |  <p>Item No.: 248-501/000-007<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray</p>                                              |  <p>Item No.: 248-501/000-023<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green</p>                                           |  <p>Item No.: 248-501/000-017<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green</p>                                       |
|  <p>Item No.: 248-501/000-012<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange</p>                                                |  <p>Item No.: 248-501/000-005<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red</p>                                              |  <p>Item No.: 248-501/000-024<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet</p>                                         |  <p>Item No.: 248-501<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>                                                    |
|  <p>Item No.: 248-501/000-002<br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow</p>                                               |  <p>Item No.: 793-5501/000-006<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>   |  <p>Item No.: 793-5501/000-007<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p> |  <p>Item No.: 793-5501/000-023<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>  |
|  <p>Item No.: 793-5501/000-017<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p> |  <p>Item No.: 793-5501/000-012<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p> |  <p>Item No.: 793-5501/000-005<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>  |  <p>Item No.: 793-5501/000-024<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p> |
|  <p>Item No.: 793-5501<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>               |  <p>Item No.: 793-5501/000-002<br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p> |  <p>Item No.: 793-501/000-006<br/>WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>                                               |  <p>Item No.: 793-501/000-007<br/>WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>                                                 |
|  <p>Item No.: 793-501/000-023<br/>WMB marking card; as card; not stretchable; plain; snap-on type; green</p>                                                     |  <p>Item No.: 793-501/000-017<br/>WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>                                          |  <p>Item No.: 793-501/000-012<br/>WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>                                             |  <p>Item No.: 793-501/000-005<br/>WMB marking card; as card; not stretchable; plain; snap-on type; red</p>                                                  |
|  <p>Item No.: 793-501/000-024<br/>WMB marking card; as card; not stretchable; plain; snap-on type; violet</p>                                                    |  <p>Item No.: 793-501<br/>WMB marking card; as card; not stretchable; plain; snap-on type; white</p>                                                        |  <p>Item No.: 793-501/000-002<br/>WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p>                                             |  <p>Item No.: 2009-115/000-006<br/>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>                |
|  <p>Item No.: 2009-115/000-007<br/>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>                     |  <p>Item No.: 2009-115/000-023<br/>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>               |  <p>Item No.: 2009-115/000-017<br/>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p>       |  <p>Item No.: 2009-115/000-012<br/>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>              |

1.1.6.1 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

1.1.6.2 Marking strip



**Item No.: 709-196**  
Marking strips; for laser printer; translucent



**Item No.: 709-177**  
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent



**Item No.: 709-178**  
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

1.1.7 Protective warning marker

1.1.7.1 Cover



**Item No.: 280-405**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.8 Test and measurement

1.1.8.1 Testing accessories



**Item No.: 870-427**  
Spacer module; modular; bridging commoned terminal blocks; gray



**Item No.: 870-426**  
Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray



**Item No.: 870-425**  
Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray

1.1.9 Tool

1.1.9.1 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



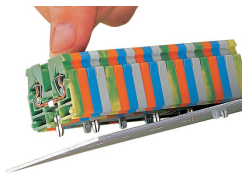
**Item No.: 210-657**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

Installation Notes

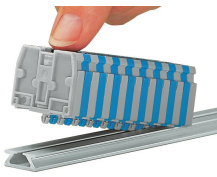
Commoning



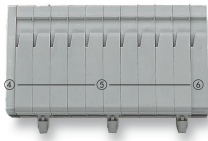
Push jumper bars down firmly until fully inserted. When using multipole bars, push alternately on the right and then left side until installed.  
Push-in type jumper bars 1 – 3 – 5 – 7 or 1 – – 4 – – 7 upon request



Mounting a terminal strip with snap-in feet into holes.

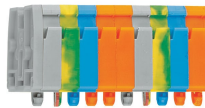


Mounting a terminal strip with snap-in feet onto aluminum rail.



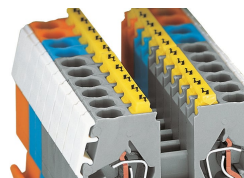
Terminal strip with snap-in mounting feet:

- End plate
- Center terminal blocks with/without snap-in mounting feet
- End terminal block with/without snap-in mounting foot



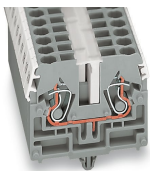
Terminal strips with snap-in mounting feet, for 0.6 ... 1.2 mm plate thickness, mounting holes: 3.5<sup>+0.1</sup> mm Ø

Cover



Protective warning markers (280-405), with a black high-voltage symbol

Marking



WMB markers in Mini-WSB marker slots  
Translucent marking strip  
Mini-WSB markers