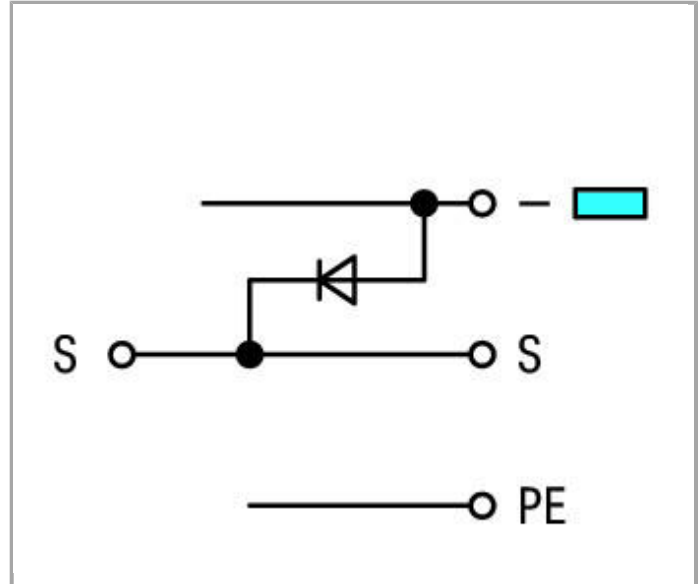
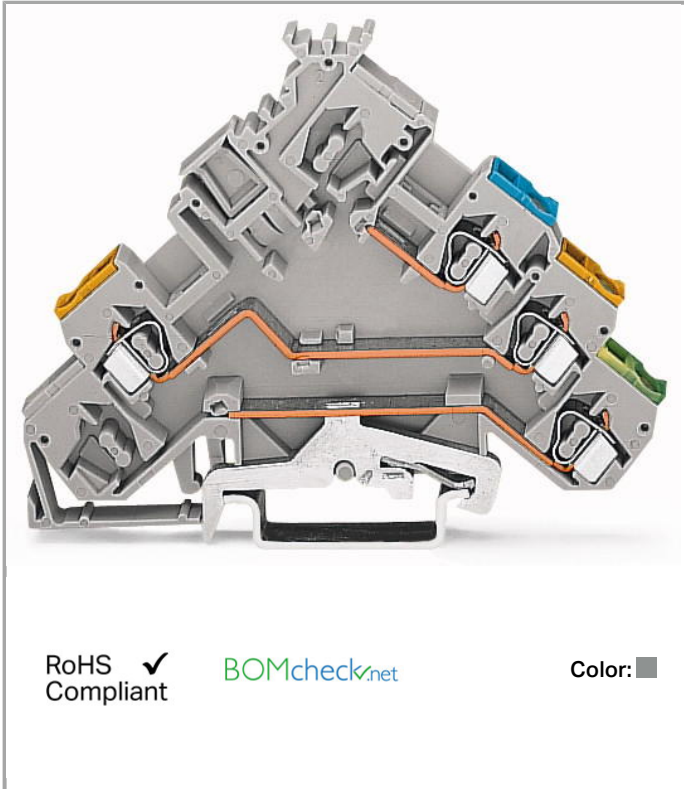


## Data sheet | Item number: 280-572/281-411

2-conductor actuator terminal block; with colored conductor entries; 2.5 mm<sup>2</sup>; CAGE CLAMP®



[www.wago.com/280-572/281-411](http://www.wago.com/280-572/281-411)



### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

|                                   |                                                           |
|-----------------------------------|-----------------------------------------------------------|
| Rated voltage (III / 3)           | 400 V                                                     |
| Rated impulse voltage (III / 3)   | 6 kV                                                      |
| Rated current                     | 20 A                                                      |
| Rated voltage (III / 3) 2         | 250 V                                                     |
| Rated impulse voltage (III / 3) 2 | 4 kV                                                      |
| Rated current (2)                 | 20 A                                                      |
| Legend (ratings)                  | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

#### Connection data

|                                 |                    |
|---------------------------------|--------------------|
| Connection technology           | CAGE CLAMP®        |
| Actuation type                  | Operating tool     |
| Connectable conductor materials | Copper<br>Aluminum |

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| 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 |
| Strip length                      | 8 ... 9 mm / 0.31 ... 0.35 Inch              |
| Total number of connection points | 4                                            |
| Total number of potentials        | 3                                            |
| Number of levels                  | 4                                            |
| Type of wiring                    | Front-entry wiring                           |

### Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 5 mm / 0.197 inch    |
| Height from upper-edge of DIN-35 rail | 63.5 mm / 2.5 inch   |
| Depth                                 | 90.5 mm / 3.563 inch |

### Mechanical data

|                  |                |
|------------------|----------------|
| Design           | angled         |
| Type of mounting | DIN-35 rail    |
| Marking level    | Center marking |

### Material Data


|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.238 MJ             |
| Weight              | 17.69 g              |

### Commercial data

|                    |                                  |
|--------------------|----------------------------------|
| Country of origin  | DE                               |
| GTIN               | 4045454194598                    |
| Customs Tariff No. | 85369010000                      |
| Product Group      | 1 (Rail Mounted Terminal Blocks) |

### Approvals / Certificates

#### Country specific Approvals

| Logo                                                                               | Approval                        | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | 2160584.53       |

#### Ship Approvals

| Logo | Approval | Certificate name |
|------|----------|------------------|
|      | ABS      | 14-HG1293677-PDA |

American Bureau of Shipping








# ABS

## UL-Approvals

| Logo                                                                             | Approval                             | Certificate name |
|----------------------------------------------------------------------------------|--------------------------------------|------------------|
|  | UR<br>Underwriters Laboratories Inc. | E45172           |











## Compatible products

### Carrier rail



|                                                                                    |                                                                                                                                      |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|    | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|   | <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                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|  | <b>Item no.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
|  | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
|  | <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               | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |
|  | <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                     | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
|  | <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                | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |
|  | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715        | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a> |
|  | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715      | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a> |
|  | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715       | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|  | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715         | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |

### ferrule






**Item no.: 216-101**
















|                                                                                   |                                                                                                                |                                                                |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|   | Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                              | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|   | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|   | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated    | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a> |
|   | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated  | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a> |
|   | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; insulated; electro-tin plated    | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|   | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; insulated; electro-tin plated   | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|   | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated      | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|   | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated    | <a href="http://www.wago.com/216-204">www.wago.com/216-204</a> |
|   | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated   | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated   | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |

**End plate**

|                                                                                    |                                                                                                        |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 280-320</b><br>End and intermediate plate; 1 mm thick; for quadruple-deck terminal blocks | <a href="http://www.wago.com/280-320">www.wago.com/280-320</a> |
|  | <b>Item no.: 280-323</b><br>End and intermediate plate; 1 mm thick; for quadruple-deck terminal blocks | <a href="http://www.wago.com/280-323">www.wago.com/280-323</a> |

**Marking accessories**

|                                                                                    |                                                                                                                         |                                                                                  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | <b>Item no.: 2009-115</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>                 |
|  | <b>Item no.: 2009-115/000-002</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a> |
|  | <b>Item no.: 2009-115/000-006</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a> |
|  | <b>Item no.: 2009-115/000-007</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a> |
|  | <b>Item no.: 2009-115/000-012</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a> |

|                                                                                    |                                                                                                                                                                                |                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <p><b>Item no.: 2009-115/000-017</b><br/>                     WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type</p>                           | <a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a> |
|    | <p><b>Item no.: 2009-115/000-023</b><br/>                     WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type</p>                           | <a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a> |
|    | <p><b>Item no.: 2009-115/000-024</b><br/>                     WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type</p>                           | <a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a> |
|    | <p><b>Item no.: 793-501</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                                       | <a href="http://www.wago.com/793-501">www.wago.com/793-501</a>                   |
|    | <p><b>Item no.: 793-501/000-002</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>   |
|    | <p><b>Item no.: 793-501/000-005</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>   |
|    | <p><b>Item no.: 793-501/000-006</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>   |
|  | <p><b>Item no.: 793-501/000-007</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>   |
|  | <p><b>Item no.: 793-501/000-012</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>   |
|  | <p><b>Item no.: 793-501/000-017</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>   |
|  | <p><b>Item no.: 793-501/000-023</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>   |
|  | <p><b>Item no.: 793-501/000-024</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type</p>                                               | <a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>   |
|  | <p><b>Item no.: 793-5501</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type</p>         | <a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>                 |
|  | <p><b>Item no.: 793-5501/000-002</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type</p> | <a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a> |
|  | <p><b>Item no.: 793-5501/000-005</b><br/>                     WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type</p>                                       | <a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a> |



**Item no.: 793-5501/000-006**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)



**Item no.: 793-5501/000-007**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)



**Item no.: 793-5501/000-012**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**Item no.: 793-5501/000-017**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)



**Item no.: 793-5501/000-023**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)



**Item no.: 793-5501/000-024**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)

#### Jumper



**Item no.: 210-103**  
Wire commoning chain; insulated; 50 connections

[www.wago.com/210-103](http://www.wago.com/210-103)



**Item no.: 210-123**  
Wire commoning chain; insulated; 50 connections

[www.wago.com/210-123](http://www.wago.com/210-123)



**Item no.: 249-123**  
Push-in type wire jumper; insulated; wire length 180 mm; Conductor cross section 0.75 mm<sup>2</sup>

[www.wago.com/249-123](http://www.wago.com/249-123)



**Item no.: 249-125**  
Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm<sup>2</sup>

[www.wago.com/249-125](http://www.wago.com/249-125)



**Item no.: 249-126**  
Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm<sup>2</sup>

[www.wago.com/249-126](http://www.wago.com/249-126)



**Item no.: 249-127**  
Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm<sup>2</sup>

[www.wago.com/249-127](http://www.wago.com/249-127)



**Item no.: 280-402**  
Adjacent jumper; insulated; IN = IN terminal block

[www.wago.com/280-402](http://www.wago.com/280-402)



**Item no.: 280-482**  
Comb-style jumper bar; insulated; 2-way; IN = IN terminal block

[www.wago.com/280-482](http://www.wago.com/280-482)



**Item no.: 280-483**  
Comb-style jumper bar; insulated; 3-way; IN = IN terminal block

[www.wago.com/280-483](http://www.wago.com/280-483)



**Item no.: 280-484**  
Comb-style jumper bar; insulated; 4-way; IN = IN terminal block

[www.wago.com/280-484](http://www.wago.com/280-484)



**Item no.: 280-485**  
Comb-style jumper bar; insulated; 5-way; IN = IN terminal block

[www.wago.com/280-485](http://www.wago.com/280-485)



**Item no.: 280-490**  
Comb-style jumper bar; insulated; 10-way; IN = IN terminal block

[www.wago.com/280-490](http://www.wago.com/280-490)



**Item no.: 280-492**  
Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block

[www.wago.com/280-492](http://www.wago.com/280-492)



**Item no.: 709-110**  
Wire commoning chain; insulated; 4 connections; 3 x 110 mm

[www.wago.com/709-110](http://www.wago.com/709-110)



**Item no.: 709-111**  
Wire commoning chain; insulated; 3 connections; 2 x 120 mm

[www.wago.com/709-111](http://www.wago.com/709-111)



**Item no.: 709-112**  
Wire commoning chain; insulated; 3 connections; 2 x 170 mm

[www.wago.com/709-112](http://www.wago.com/709-112)



**Item no.: 780-452**  
Staggered jumper; insulated; from 1 to 2; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-452](http://www.wago.com/780-452)



**Item no.: 780-453**  
Staggered jumper; insulated; from 1 to 3; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-453](http://www.wago.com/780-453)



**Item no.: 780-454**  
Staggered jumper; insulated; from 1 to 4; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-454](http://www.wago.com/780-454)



**Item no.: 780-455**  
Staggered jumper; insulated; from 1 to 5; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-455](http://www.wago.com/780-455)



**Item no.: 780-456**  
Staggered jumper; insulated; from 1 to 6; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-456](http://www.wago.com/780-456)



**Item no.: 780-457**  
Staggered jumper; insulated; from 1 to 7; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-457](http://www.wago.com/780-457)



**Item no.: 780-458**  
Staggered jumper; insulated; from 1 to 8; Spacing: 5 mm; suitable for 2-conductor female plugs

[www.wago.com/780-458](http://www.wago.com/780-458)

#### Insulation stop



**Item no.: 280-470**  
Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip

[www.wago.com/280-470](http://www.wago.com/280-470)



**Item no.: 280-471**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip

[www.wago.com/280-471](http://www.wago.com/280-471)



**Item no.: 280-472**  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip

[www.wago.com/280-472](http://www.wago.com/280-472)

#### Protective Warning Marker



**Item no.: 280-415**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks

[www.wago.com/280-415](http://www.wago.com/280-415)

#### tools



**Item no.: 210-657**  
Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short

[www.wago.com/210-657](http://www.wago.com/210-657)

**Item no.: 210-658**  
Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled

[www.wago.com/210-658](http://www.wago.com/210-658)



Item no.: 210-720

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

[www.wago.com/210-720](http://www.wago.com/210-720)

---

assembling



Item no.: 709-154

Cover; Type 2; suitable for cover carrier, type 2; 1 m long

[www.wago.com/709-154](http://www.wago.com/709-154)

Downloads

Documentation

Bid Text

280-572/281-411

Oct 12, 2017

DOC  
25.6 kB

Download

Subject to changes.