

## Data sheet | Item number: 257-854

Stackable PCB terminal block; push-button; 2.5 mm<sup>2</sup>; Pin spacing 7.5/7.62 mm; 1-pole; suitable for Ex-i applications; CAGE CLAMP®; commoning option; 2,50 mm<sup>2</sup>; blue

[www.wago.com/257-854](http://www.wago.com/257-854)

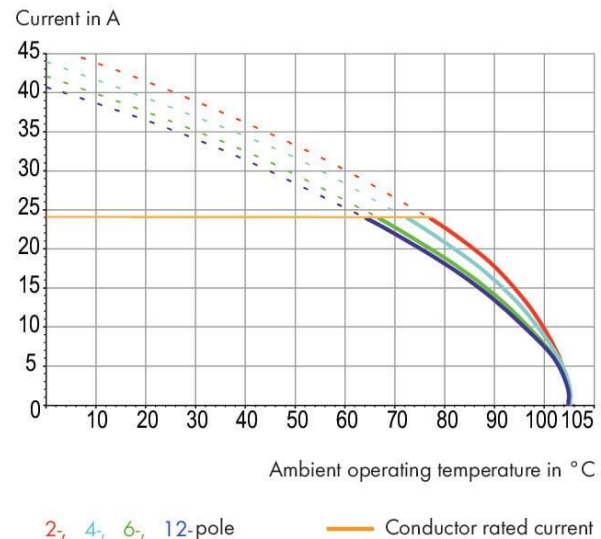


 Picture differs from the item.

Color: 

### Current-Carrying Capacity Curve

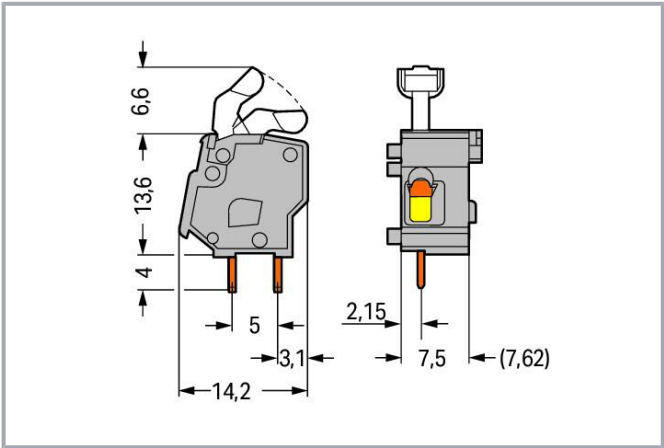
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1



Subject to changes. Please also observe the further product documentation!

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Item description

- PCB terminal blocks with push-buttons and CAGE CLAMP® connection
- Versions with Ex approval
- Set to metric or inch pin spacing by compressing PCB terminal strips or pulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Data  
Notes

|           |                                                                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other colors                                                                                                                                                 |
|           | Versions for Ex e II and Ex i                                                                                                                                |
|           | Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

Electrical data

Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1 |
|-------------------------------|----------------|
| Nominal voltage (III/3)       | 400 V          |
| Rated impulse voltage (III/3) | 6 kV           |
| Rated voltage (III/2)         | 630 V          |
| Rated impulse voltage (III/2) | 6 kV           |
| Nominal voltage (II/2)        | 1000 V         |
| Rated surge voltage (II/2)    | 6 kV           |
| Rated current                 | 24 A           |

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|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |
|------------------|-------------------------------------------------------------------|

## Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 15 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

## Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A  |

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 1 |
| Total number of potentials | 1 |
| Number of connection types | 1 |
| Number of levels           | 1 |

## Connection 1

|                                                   |                                              |
|---------------------------------------------------|----------------------------------------------|
| Connection technology                             | CAGE CLAMP®                                  |
| Actuation type                                    | Push-button (angled)                         |
| 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 |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm <sup>2</sup>                 |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm <sup>2</sup>                 |
| Note (conductor cross-section)                    | 12 AWG: THHN, THWN                           |
| Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches             |
| Conductor connection direction to PCB             | 0 °                                          |
| Pole number                                       | 1                                            |

## Physical data

|             |                                |
|-------------|--------------------------------|
| Pin spacing | 7.5/7.62 mm / 0.295/0.3 inches |
|-------------|--------------------------------|

Subject to changes. Please also observe the further product documentation!



|                                      |                          |
|--------------------------------------|--------------------------|
| Width                                | 10.3 mm / 0.406 inches   |
| Height                               | 24.2 mm / 0.953 inches   |
| Height from the surface              | 20.2 mm / 0.795 inches   |
| Depth                                | 14.2 mm / 0.559 inches   |
| Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | 0.7 x 0.7 mm             |
| Drilled hole diameter with tolerance | 1.1 <sup>(+0.1)</sup> mm |

### PCB contact

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| PCB contact                         | THT                                 |
| Solder pin arrangement              | within the terminal block (in-line) |
| Number of solder pins per potential | 2                                   |

### Material data

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | blue                                                     |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                        |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                   |
| Contact plating             | Tin                                                      |
| Fire load                   | 0.027 MJ                                                 |
| Weight                      | 1.4 g                                                    |

### Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

### Commercial data

|               |                                |
|---------------|--------------------------------|
| Product Group | 4 (Printed Circuit Connectors) |
| eCl@ss 10.0   | 27-44-04-01                    |
| eCl@ss 9.0    | 27-44-04-01                    |
| ETIM 8.0      | EC002643                       |
| ETIM 7.0      | EC002643                       |

Subject to changes. Please also observe the further product documentation!



|                       |               |
|-----------------------|---------------|
| ECCN                  | NO DATA       |
| PU (SPU)              | 400 (100) pcs |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4044918414173 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                             | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|    | CCA<br>DEKRA Certification B.V.      | EN 60947                 | 2160584.28       |
|   | CCA<br>DEKRA Certification B.V.      | EN 60947                 | NTR NL-7128      |
|  | CCA<br>DEKRA Certification B.V.      | EN 60947-7-4             | 71-113014        |
|  | CCA<br>DEKRA Certification B.V.      | EN 60947-7-4             | NTR NL-7821      |
|  | CSA<br>DEKRA Certification B.V.      | C22.2 No. 158            | 70049157         |
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

### Declarations of conformity and manufacturer's declarations

Certificate

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| Logo                                                                             | Approval                                           | Additional Approval Text | name |
|----------------------------------------------------------------------------------|----------------------------------------------------|--------------------------|------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -    |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -    |

## Approvals for marine applications

| Logo                                                                             | Approval                           | Additional Approval Text | Certificate name         |
|----------------------------------------------------------------------------------|------------------------------------|--------------------------|--------------------------|
|  | ABS<br>American Bureau of Shipping | -                        | 19-<br>HG1869876-<br>PDA |
|  | DNV<br>DNV GL SE                   | -                        | TAE000016Z               |

## Required accessories

## Mounting

| Intermediate plate                                                                  |                                                                                           |                                                                |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 257-801</b><br>Spacer; for doubling the pin spacing; 5/5.08 mm thick; gray   | <a href="http://www.wago.com/257-801">www.wago.com/257-801</a> |
|  | <b>Item no.: 257-821</b><br>Spacer; for doubling the pin spacing; 10/10.16 mm thick; gray | <a href="http://www.wago.com/257-821">www.wago.com/257-821</a> |
|  | <b>Item no.: 257-811</b><br>Spacer; for doubling the pin spacing; 7.5/7.62 mm thick; gray | <a href="http://www.wago.com/257-811">www.wago.com/257-811</a> |
| End plate                                                                           |                                                                                           |                                                                |
| End plate                                                                           |                                                                                           |                                                                |
|    | <b>Item no.: 257-500</b><br>End plate; snap-fit type; 1 mm thick; red                     | <a href="http://www.wago.com/257-500">www.wago.com/257-500</a> |
|    | <b>Item no.: 257-700</b><br>End plate; snap-fit type; 1 mm thick; light green             | <a href="http://www.wago.com/257-700">www.wago.com/257-700</a> |
|    | <b>Item no.: 257-100</b><br>End plate; snap-fit type; 1 mm thick; gray                    | <a href="http://www.wago.com/257-100">www.wago.com/257-100</a> |
|    |                                                                                           |                                                                |

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|                                                                                 |                                                                              |                                                                |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                 | <b>Item no.: 257-400</b><br>End plate; snap-fit type; 1 mm thick; blue       | <a href="http://www.wago.com/257-400">www.wago.com/257-400</a> |
|  | <b>Item no.: 257-300</b><br>End plate; snap-fit type; 1 mm thick; light gray | <a href="http://www.wago.com/257-300">www.wago.com/257-300</a> |
|  | <b>Item no.: 257-200</b><br>End plate; snap-fit type; 1 mm thick; dark gray  | <a href="http://www.wago.com/257-200">www.wago.com/257-200</a> |
|  | <b>Item no.: 257-600</b><br>End plate; snap-fit type; 1 mm thick; orange     | <a href="http://www.wago.com/257-600">www.wago.com/257-600</a> |

## Optional accessories

### Marking accessories

|                                                                                  |                                                                                                                                                                                        |                                                                                |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                                                  | Marking strip                                                                                                                                                                          |                                                                                |
|  | <b>Item no.: 210-332/750-020</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-20 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="http://www.wago.com/210-332/750-020">www.wago.com/210-332/750-020</a> |
|  | <b>Item no.: 210-332/762-020</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-20 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="http://www.wago.com/210-332/762-020">www.wago.com/210-332/762-020</a> |

### Testing and measuring

|                                                                                   |                                                                                                                                                    |                                                                |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                   | Testing accessories                                                                                                                                |                                                                |
|  | <b>Item no.: 249-112</b><br>Test plug adapter; suitable for 255, 256, 257 Series PCB terminal blocks; 1-pole; Pin spacing 7.5 mm / 0.295 in; gray  | <a href="http://www.wago.com/249-112">www.wago.com/249-112</a> |
|  | <b>Item no.: 249-113</b><br>Test plug adapter; suitable for 255, 256, 257 Series PCB terminal blocks; 1-pole; Pin spacing 7.62 mm / 0.3 in; orange | <a href="http://www.wago.com/249-113">www.wago.com/249-113</a> |

### Tool

|                                                                                    |                                                                                                                                 |                                                                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                    | Operating tool                                                                                                                  |                                                                |
|  | <b>Item no.: 210-658</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured | <a href="http://www.wago.com/210-658">www.wago.com/210-658</a> |
|  | <b>Item no.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured                | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |

### Ferrule

|                                                                                   |                                                                                                                               |                                                                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                   | Ferrule                                                                                                                       |                                                                |
|  | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|  | <b>Item no.: 216-104</b>                                                                                                      |                                                                |

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|                                                                                   |                                                                                                                                                                                                       |                                                                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                   | Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored                                                                                                     | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a> |
|    | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored                                                                        | <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.: 216-123</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored                                                                           | <a href="http://www.wago.com/216-123">www.wago.com/216-123</a> |
|    | <b>Item no.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored                                                                        | <a href="http://www.wago.com/216-122">www.wago.com/216-122</a> |
|    | <b>Item no.: 216-124</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated                                                                                         | <a href="http://www.wago.com/216-124">www.wago.com/216-124</a> |
|    | <b>Item no.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                | <a href="http://www.wago.com/216-142">www.wago.com/216-142</a> |
|    | <b>Item no.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                                        | <a href="http://www.wago.com/216-132">www.wago.com/216-132</a> |
|    | <b>Item no.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored                                                                         | <a href="http://www.wago.com/216-121">www.wago.com/216-121</a> |
|    | <b>Item no.: 216-143</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                   | <a href="http://www.wago.com/216-143">www.wago.com/216-143</a> |
|  | <b>Item no.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored                                                                        | <a href="http://www.wago.com/216-131">www.wago.com/216-131</a> |
|  | <b>Item no.: 216-141</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                 | <a href="http://www.wago.com/216-141">www.wago.com/216-141</a> |
|  | <b>Item no.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                                        | <a href="http://www.wago.com/216-152">www.wago.com/216-152</a> |
|  | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red                                                                                        | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray                                                                                    | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|  | <b>Item no.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                                        | <a href="http://www.wago.com/216-151">www.wago.com/216-151</a> |
|  | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black                                                                                    | <a href="http://www.wago.com/216-204">www.wago.com/216-204</a> |
|  | <b>Item no.: 216-144</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | <a href="http://www.wago.com/216-144">www.wago.com/216-144</a> |

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|  |                                                                                                                                                                                            |                                                                |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white                                                                         | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|  | <b>Item no.: 216-223</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red                                                                             | <a href="http://www.wago.com/216-223">www.wago.com/216-223</a> |
|  | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
|  | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
|  | <b>Item no.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray                                                                         | <a href="http://www.wago.com/216-222">www.wago.com/216-222</a> |
|  | <b>Item no.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white                                                                         | <a href="http://www.wago.com/216-221">www.wago.com/216-221</a> |
|  | <b>Item no.: 216-224</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black                                                                         | <a href="http://www.wago.com/216-224">www.wago.com/216-224</a> |
|  | <b>Item no.: 216-243</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
|  | <b>Item no.: 216-244</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |
|  | <b>Item no.: 216-263</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a> |
|  | <b>Item no.: 216-264</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a> |
|  | <b>Item no.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |
|  | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow                                                                       | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |
|  | <b>Item no.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow                                                                       | <a href="http://www.wago.com/216-321">www.wago.com/216-321</a> |
|  | <b>Item no.: 216-322</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise                                                              | <a href="http://www.wago.com/216-322">www.wago.com/216-322</a> |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise                                                              | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |

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We are always happy to take your call at +49 (571) 887-44222.

**Downloads****Documentation****Additional Information**

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| <hr/>                                      |            |          |          |

**CAD/CAE-Data****CAD data**

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 257-854 | URL | Download |
|----------------------|-----|----------|

**PCB Design**

|                                                                                                                                                                     |     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Symbol and Footprint via Ultra Librarian 257-854                                                                                                                    | URL | Download |
| CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment. |     |          |

**Supported formats:**

- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics
- BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design
- Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0

Subject to changes. Please also observe the further product documentation!

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- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

#### PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

---

Symbol and Footprint via SamacSys 257-854

URL

Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix

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- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 257-854 | URL | Download |
| ZUKEN Portal 257-854      | URL | Download |

Asset Administration Shell

|                                    |     |          |
|------------------------------------|-----|----------|
| Asset Administration Shell 257-854 | URL | Download |
|------------------------------------|-----|----------|

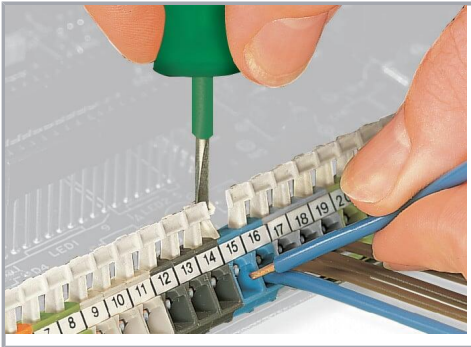
Environmental Product Compliance

Compliance Search

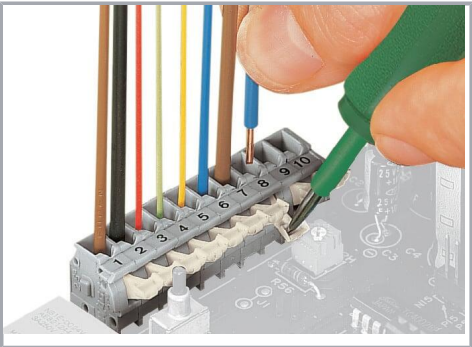
|                                                                                                                                                                    |     |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 257-854                                                                                                                           | URL | Download |
| Stackable PCB terminal block; push-button; 2.5 mm²; Pin spacing 7.5/7.62 mm; 1-pole; suitable for Ex-i applications; CAGE CLAMP®; commoning option; 2,50 mm²; blue |     |          |

Installation Notes

Conductor termination



Inserting/removing a conductor – 256 Series.

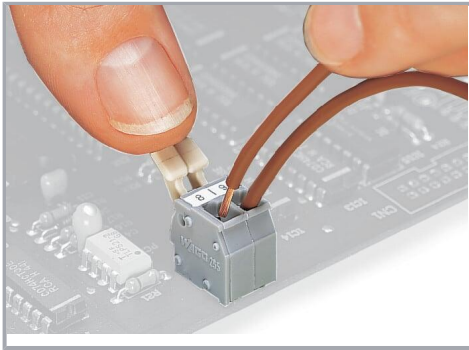


Inserting/removing a conductor (255 Series)

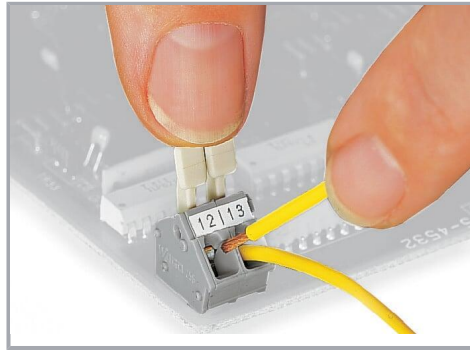
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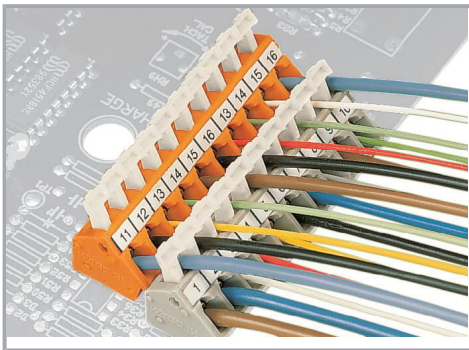


Inserting/removing a conductor via finger-operated lever – 255 Series.



Inserting/removing a conductor via finger-operated lever – 256 Series.

### Installation



Possible conductor arrangement with terminal strips staggered (for 256 Series only).

### Marking



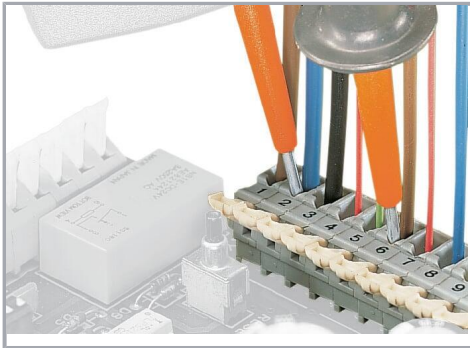
Formation of groups using housings of different colors

### Testing

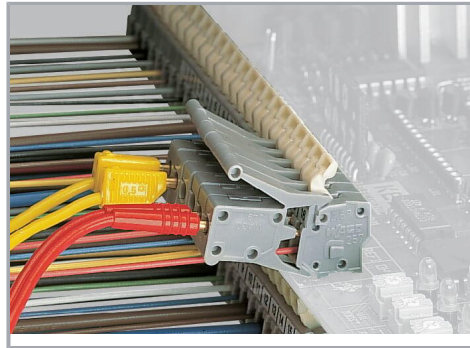
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Testing with test probes.



Testing with test plug modules.

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