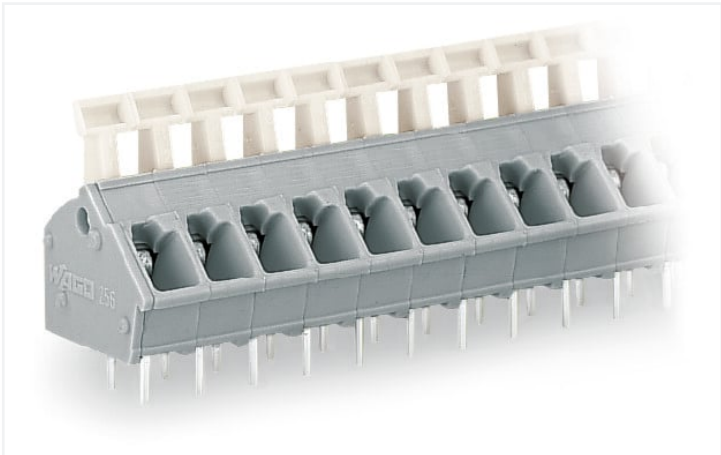
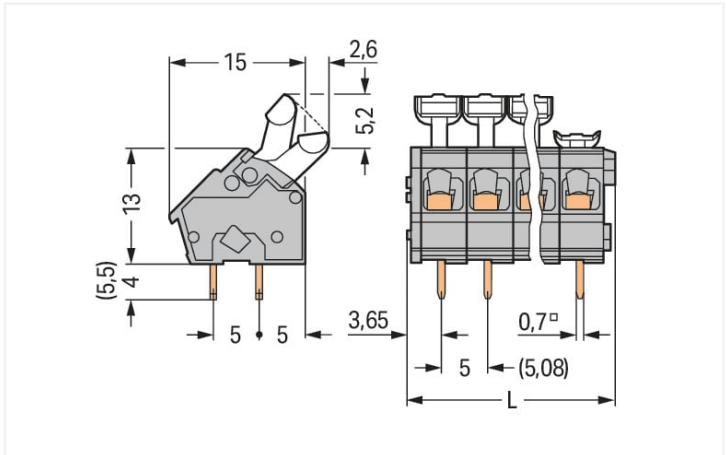
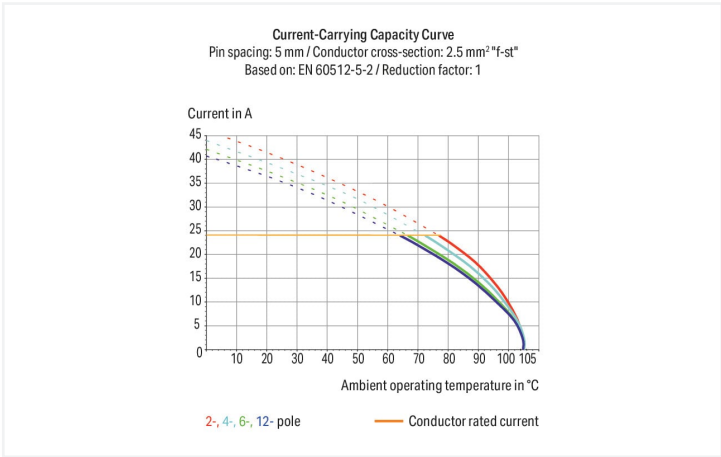




Color: ■ gray                      Similar to illustration



Dimensions in mm  
L = (pole no. x pin spacing) + 2.9 mm



- 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

| Notes     |  |                                                                                                                                                                                                                                                                                           |  |
|-----------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Variants: |  | Other colors<br>Mixed-color PCB connector strips<br>Direct marking<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .<br>Other pole numbers<br>Versions for Ex e II and Ex i |  |

| Electrical data      |  |                |       |       |               |                         |
|----------------------|--|----------------|-------|-------|---------------|-------------------------|
| Ratings per          |  | IEC/EN 60664-1 |       |       | Approvals per |                         |
|                      |  |                |       |       | UL 1059       |                         |
| Overvoltage category |  | III            | III   | II    | Use group     | B      C      D         |
| Pollution degree     |  | 3              | 2     | 2     | Rated voltage | 300 V      -      300 V |
| Nominal voltage      |  | 250 V          | 320 V | 630 V | Rated current | 15 A      -      10 A   |
| Rated surge voltage  |  | 4 kV           | 4 kV  | 4 kV  |               |                         |
| Rated current        |  | 24 A           | 24 A  | 24 A  |               |                         |



| Approvals per |       | CSA |       |
|---------------|-------|-----|-------|
| Use group     | B     | C   | D     |
| Rated voltage | 300 V | -   | 300 V |
| Rated current | 15 A  | -   | 10 A  |

| Connection data            |   |                                                   |                                  |
|----------------------------|---|---------------------------------------------------|----------------------------------|
| Connection points          | 7 | Connection 1                                      |                                  |
| Total number of potentials | 7 | Connection technology                             | CAGE CLAMP®                      |
| Number of connection types | 1 | Actuation type                                    | Push-button                      |
| Number of levels           | 1 | Solid conductor                                   | 0.08 ... 2.5 mm² / 28 ... 12 AWG |
|                            |   | Fine-stranded conductor                           | 0.08 ... 2.5 mm² / 28 ... 12 AWG |
|                            |   | Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm²                 |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm²                 |
|                            |   | Note (conductor cross-section)                    | 12 AWG: THHN, THWN               |
|                            |   | Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches |
|                            |   | Conductor connection direction to PCB             | 45 °                             |
|                            |   | Pole number                                       | 7                                |

| Physical data                        |                              |  |
|--------------------------------------|------------------------------|--|
| Pin spacing                          | 5/5.08 mm / 0.197/0.2 inches |  |
| Width                                | 37.9 mm / 1.492 inches       |  |
| Height                               | 22.2 mm / 0.874 inches       |  |
| Height from the surface              | 18.2 mm / 0.717 inches       |  |
| Depth                                | 17.6 mm / 0.693 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              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 2                                        |

| Material data               |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | gray                                                                     |
| Material group              | I                                                                        |
| Insulation material         | Polyamide (PA66)                                                         |
| Flammability class per UL94 | V0                                                                       |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                                        |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact plating             | Tin                                                                      |
| Fire load                   | 0.116 MJ                                                                 |
| Weight                      | 6.8 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                       |
| PU (SPU)              | 120 (30) pcs                   |
| Packaging type        | Box                            |
| Country of origin     | CH                             |
| GTIN                  | 4044918756815                  |
| 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<br>DEKRA Certification B.V.                                                   | EN 60947      | 2160584.34                                                 |
| CCA<br>DEKRA Certification B.V.                                                   | EN 60947      | NTR NL-7138                                                |
| CCA<br>DEKRA Certification B.V.                                                   | IEC 60947-7-4 | 71-113042                                                  |
| CSA<br>DEKRA Certification B.V.                                                   | C22.2 No. 158 | 70049157                                                   |
| UL<br>Underwriters Laboratories Inc.                                              | UL 1059       | E 45172                                                    |
|                                                                                   |               | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    |
|                                                                                   |               | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    |

Approvals for marine applications

|  |           |                  |
|------------------------------------------------------------------------------------|-----------|------------------|
| Approval                                                                           | Standard  | Certificate Name |
| ABS<br>American Bureau of Ship-<br>ping                                            | -         | 19-HG1869876-PDA |
| BV<br>Bureau Veritas S.A.                                                          | IEC 60998 | 11915/D0 BV      |
| DNV<br>DNV GL SE                                                                   | -         | TAE000016Z       |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 256-407

↓

Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

Gebrückte Klemmen-leisten für Leiterplatten

pdf

303.71 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 256-407

↓

CAE data

EPLAN Data Portal 256-407

↓

ZUKEN Portal 256-407

↓

PCB Design

Symbol and Footprint via SamacSys 256-407

↓

Symbol and Footprint via Ultra Librarian 256-407

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                             |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><a href="#">Item No.: 216-301</a><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; in-sulated; electro-tin plated; yellow</div>                                                                       |  <div><a href="#">Item No.: 216-321</a><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; in-sulated; electro-tin plated; yellow</div>          |  <div><a href="#">Item No.: 216-151</a><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated</div>      |  <div><a href="#">Item No.: 216-131</a><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-co-<br/>lored</div>                                                   |
|  <div><a href="#">Item No.: 216-302</a><br/>Ferrule; Sleeve for 0.34 mm² / 22 AWG; in-sulated; electro-tin plated; light turquoise</div>                                                              |  <div><a href="#">Item No.: 216-322</a><br/>Ferrule; Sleeve for 0.34 mm² / 22 AWG; in-sulated; electro-tin plated; light turquoise</div> |  <div><a href="#">Item No.: 216-132</a><br/>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</div>      |  <div><a href="#">Item No.: 216-152</a><br/>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</div>                                                                         |
|  <div><a href="#">Item No.: 216-241</a><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-sulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</div> |  <div><a href="#">Item No.: 216-201</a><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-sulated; electro-tin plated; white</div>            |  <div><a href="#">Item No.: 216-221</a><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-sulated; electro-tin plated; white</div> |  <div><a href="#">Item No.: 216-141</a><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div> |



1.1.1.1 Ferrule

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored                                                               | <br><b>Item No.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored                                                         | <br><b>Item No.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray               | <br><b>Item No.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray |
| <br><b>Item No.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray                                                                           | <br><b>Item No.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray                                                                     | <br><b>Item No.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                  | <br><b>Item No.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored                                                            |
| <br><b>Item No.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored                                                              | <br><b>Item No.: 216-243</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | <br><b>Item No.: 216-263</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red                   | <br><b>Item No.: 216-103</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red                                                                             |
| <br><b>Item No.: 216-223</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red                                                                               | <br><b>Item No.: 216-103</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated                                                                           | <br><b>Item No.: 216-143</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                     | <br><b>Item No.: 216-123</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; silver-colored                                                               |
| <br><b>Item No.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black                                                                           | <br><b>Item No.: 216-224</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black                                                                     | <br><b>Item No.: 216-244</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black               | <br><b>Item No.: 216-264</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black |
| <br><b>Item No.: 216-284</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <br><b>Item No.: 216-124</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated                                                                       | <br><b>Item No.: 216-144</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | <br><b>Item No.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored                                                           |

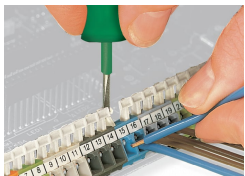
1.1.2 Tool

1.1.2.1 Operating tool

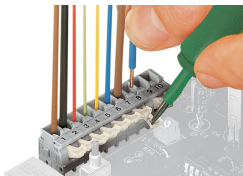
|                                                                                                                                                                                                                        |                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 210-658</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured | <br><b>Item No.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Installation Notes

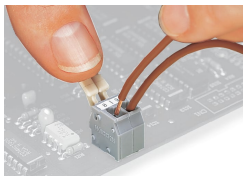
Conductor termination



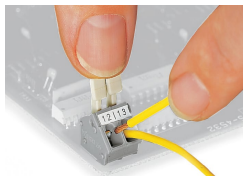
Inserting/removing a conductor – 256 Series.



Inserting/removing a conductor (255 Series)

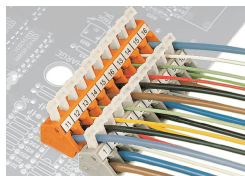


Inserting/removing a conductor via finger-operated lever – 255 Series.



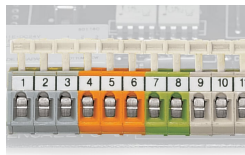
Inserting/removing a conductor via finger-operated lever – 256 Series.

Installation



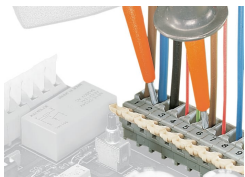
Possible conductor arrangement with terminal strips staggered (for 256 Series only).

Marking

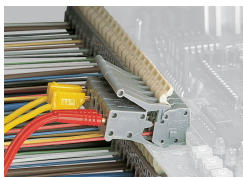


Formation of groups using housings of different colors

Testing



Testing with test probes.



Testing with test plug modules.