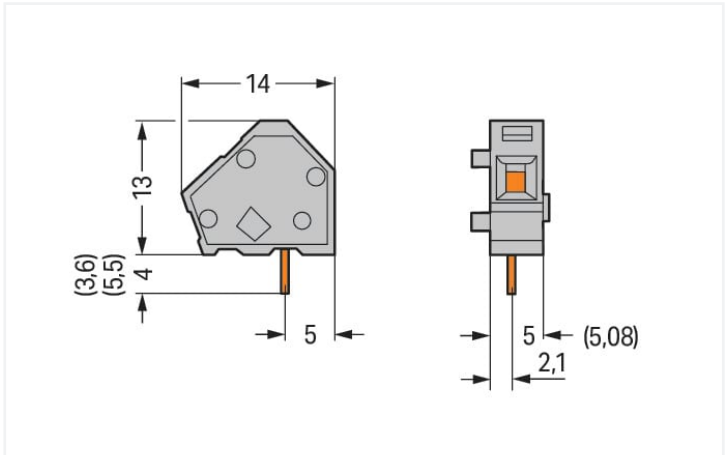


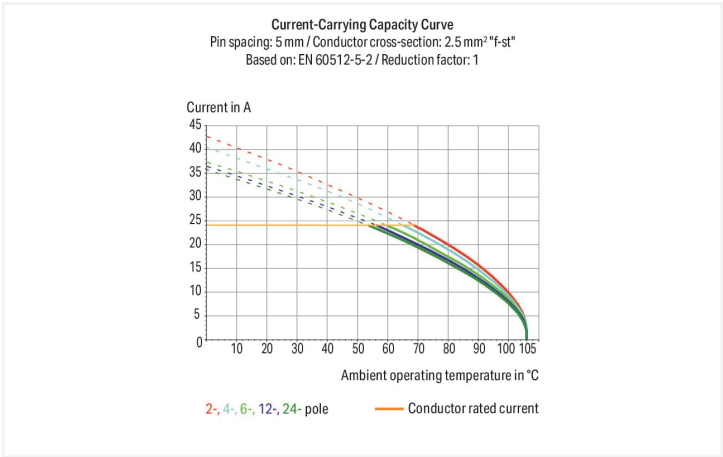


Color: ■ orange

Similar to illustration



Dimensions in mm



- Modular PCB terminal blocks with CAGE CLAMP® connection, screwdriver actuation parallel or perpendicular to conductor entry
- Versions with Ex approval
- For custom PCB terminal strip assemblies
- Operating tools for factory wiring
- 45° conductor entry angle permits a wide range of applications and wiring options
- Set to metric or inch pin spacing by compressing PCB terminal strips or pulling them apart

| Notes     |  |                                                                                                                                                                                                                                                         |  |
|-----------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Variants: |  | Solder pin length: 5.5 mm<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>Versions for Ex e II and Ex i<br>Solder pin length: 3.6 mm |  |

| Electrical data      |  |                |       |
|----------------------|--|----------------|-------|
| Ratings per          |  | IEC/EN 60664-1 |       |
| Overvoltage category |  | III            | II    |
| Pollution degree     |  | 3              | 2     |
| Nominal voltage      |  | 250 V          | 630 V |
| Rated surge voltage  |  | 4 kV           | 4 kV  |
| Rated current        |  | 24 A           | 24 A  |
| Approvals per        |  | UL 1059        |       |
| Use group            |  | B              | D     |
| Rated voltage        |  | 300 V          | 300 V |
| Rated current        |  | 15 A           | 10 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          | 1 | Connection 1                                      |                                  |
| Total number of potentials | 1 | Connection technology                             | CAGE CLAMP®                      |
| Number of connection types | 1 | Actuation type                                    | Operating tool                   |
| 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                                       | 1                                |

| Physical data                        |                              |  |
|--------------------------------------|------------------------------|--|
| Pin spacing                          | 5/5.08 mm / 0.197/0.2 inches |  |
| Width                                | 7.2 mm / 0.283 inches        |  |
| Height                               | 17 mm / 0.669 inches         |  |
| Height from the surface              | 13 mm / 0.512 inches         |  |
| Depth                                | 14 mm / 0.551 inches         |  |
| Solder pin length                    | 4 mm                         |  |
| Solder pin dimensions                | 0.7 x 0.7 mm                 |  |
| Drilled hole diameter with tolerance | 1.1 (+0.1) mm                |  |

| PCB contact                         |                                          |
|-------------------------------------|------------------------------------------|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 1                                        |

| Material data               |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | orange                                                                   |
| 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                   | 0.012 MJ                                                                 |
| Weight                      | 0.9 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)              | 600 (100) pcs                  |
| Packaging type        | Box                            |
| Country of origin     | CH                             |
| GTIN                  | 4044918773911                  |
| Customs tariff number | 85369010000                    |

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

Approvals / Certificates

General approvals

| Approval                              | Standard      | Certificate Name |
|---------------------------------------|---------------|------------------|
| CCA<br>DEKRA Certification B.V.       | EN 60947-7-4  | NTR NL 7836      |
| CCA<br>DEKRA Certification B.V.       | EN 60947      | 2160584.25       |
| CCA<br>DEKRA Certification B.V.       | EN 60947      | NTR NL-7109      |
| CCA<br>DEKRA Certification B.V.       | EN 60998      | NTR NL-7195      |
| CSA<br>DEKRA Certification B.V.       | C22.2 No. 158 | 1673957          |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4  | 71-113291        |
| UR<br>Underwriters Laboratories Inc.  | UL 1059       | E45172           |

Declarations of conformity and manufacturer's declarations

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| 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 |
|---------------------------|-----------|------------------|
| 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 236-716

↓

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 236-716

↓

CAE data

EPLAN Data Portal 236-716

↓

ZUKEN Portal 236-716

↓

PCB Design

Symbol and Footprint via SamacSys 236-716

↓

Symbol and Footprint via Ultra Librarian 236-716

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 236-850](#)  
End plate; 1 mm thick; snap-fit type; black



[Item No.: 236-400](#)  
End plate; 1 mm thick; snap-fit type; blue



[Item No.: 236-200](#)  
End plate; 1 mm thick; snap-fit type; dark gray



[Item No.: 236-100](#)  
End plate; 1 mm thick; snap-fit type; gray



[Item No.: 236-500](#)  
End plate; 1 mm thick; snap-fit type; green



[Item No.: 236-300](#)  
End plate; 1 mm thick; snap-fit type; light gray



[Item No.: 236-700](#)  
End plate; 1 mm thick; snap-fit type; light green



[Item No.: 236-600](#)  
End plate; 1 mm thick; snap-fit type; orange



[Item No.: 236-800](#)  
End plate; red



1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule

|                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Item No.: 216-301</b><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</p>                                                                         |  <p><b>Item No.: 216-321</b><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</p>                                                                     |  <p><b>Item No.: 216-151</b><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated</p>                                                                                          |  <p><b>Item No.: 216-131</b><br/>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored</p>                                                               |
|  <p><b>Item No.: 216-302</b><br/>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</p>                                                                |  <p><b>Item No.: 216-322</b><br/>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</p>                                                            |  <p><b>Item No.: 216-132</b><br/>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</p>                                                                                          |  <p><b>Item No.: 216-152</b><br/>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</p>                                                                               |
|  <p><b>Item No.: 216-241</b><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</p>   |  <p><b>Item No.: 216-201</b><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</p>                                                                       |  <p><b>Item No.: 216-221</b><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</p>                                                                                      |  <p><b>Item No.: 216-141</b><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>        |
|  <p><b>Item No.: 216-101</b><br/>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</p>                                                                |  <p><b>Item No.: 216-121</b><br/>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</p>                                                            |  <p><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</p>              |  <p><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</p>   |
|  <p><b>Item No.: 216-202</b><br/>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</p>                                                                         |  <p><b>Item No.: 216-222</b><br/>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</p>                                                                     |  <p><b>Item No.: 216-142</b><br/>Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>                |  <p><b>Item No.: 216-102</b><br/>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</p>                                                             |
|  <p><b>Item No.: 216-122</b><br/>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</p>                                                             |  <p><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</p> |  <p><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</p>                |  <p><b>Item No.: 216-203</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</p>                                                                             |
|  <p><b>Item No.: 216-223</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</p>                                                                             |  <p><b>Item No.: 216-103</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated</p>                                                                            |  <p><b>Item No.: 216-143</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>                   |  <p><b>Item No.: 216-123</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored</p>                                                                |
|  <p><b>Item No.: 216-204</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black</p>                                                                         |  <p><b>Item No.: 216-224</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black</p>                                                                     |  <p><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</p>            |  <p><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</p> |
|  <p><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</p> |  <p><b>Item No.: 216-124</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated</p>                                                                          |  <p><b>Item No.: 216-144</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored</p> |  <p><b>Item No.: 216-104</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored</p>                                                              |



1.2.2 Marking

1.2.2.1 Marking strip



**Item No.: 210-833**  
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white



**Item No.: 210-332/500-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/508-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-205**  
Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/508-205**  
Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/508-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/500-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/508-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.2.3 Stickers with operating instructions

1.2.3.1 Stickers with operating instructions



**Item No.: 210-191**  
Stickers for operating instructions; for PCB terminal blocks; 236 Series

1.2.4 Test and measurement

1.2.4.1 Testing accessories



**Item No.: 231-127**  
Testing plug module with contact stud; for 236 Series; Pin spacing 5 mm / 0.197 in; 2,50 mm²; gray



**Item No.: 231-128**  
Testing plug module with contact stud; Pin spacing 5.08 mm / 0.2 in; 2,50 mm²; orange

1.2.5 Tool

1.2.5.1 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



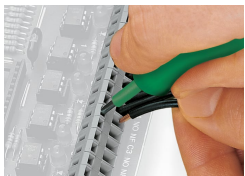
**Item No.: 236-335**  
Operating tool; gray



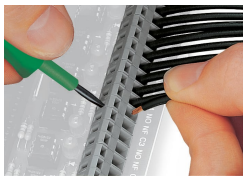
**Item No.: 236-332**  
Operating tool; natural

Installation Notes

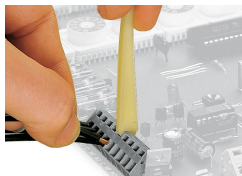
Conductor termination



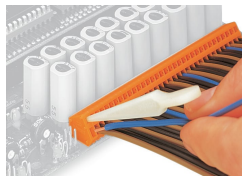
Inserting a conductor via 3.5 mm screwdriver.  
Screwdriver actuation parallel to conductor entry



Inserting a conductor via 3.5 mm screwdriver.  
Screwdriver actuation perpendicular to conductor entry



Inserting a conductor via operating tool.



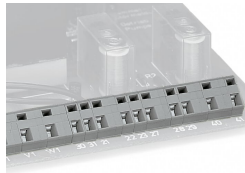
Compared to standard screwdrivers, these operating tools are far more convenient for wiring PCB terminal strips at factory.

Installation



PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

Installation



Combining PCB terminal blocks with different pin spacing.

Marking



Optional: Labeling via factory direct marking.



Optional: Labeling with self-adhesive marking strips possible