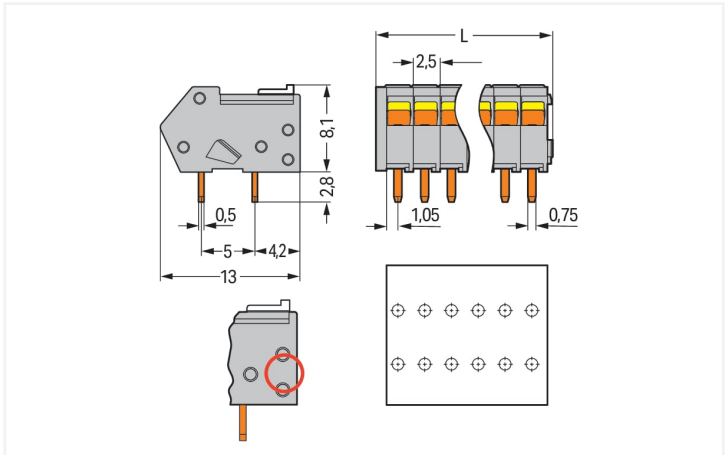
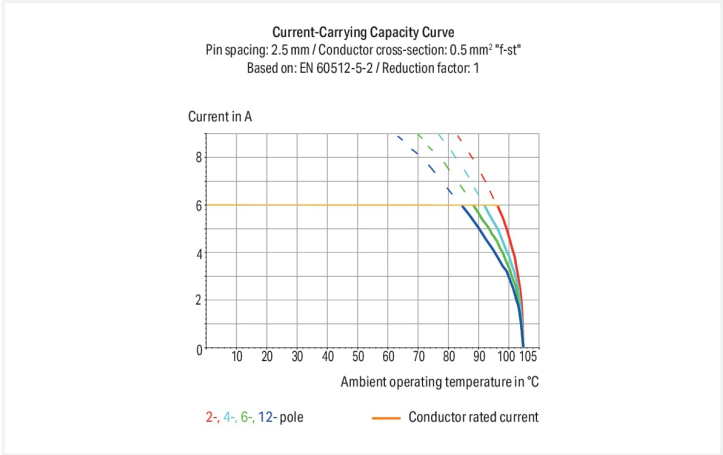




Color: ■ gray                      Similar to illustration



Dimensions in mm  
L = (pole no. x pin spacing) + 1.5 mm



- Terminal strips are just 8.1 mm tall and feature an innovative, locking slide-actuated CAGE CLAMP®.
- Several clamping units can be held open simultaneously.
- Easily terminate stranded conductors in tight spaces (e.g., bus connectors).

| Notes     |                                                                                                                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | 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>Other colors<br>Mixed-color PCB connector strips |

| Electrical data      |        |                |        |
|----------------------|--------|----------------|--------|
| Ratings per          |        | IEC/EN 60664-1 |        |
| Overvoltage category | III    | III            | II     |
| Pollution degree     | 3      | 2              | 2      |
| Nominal voltage      | 80 V   | 160 V          | 320 V  |
| Rated surge voltage  | 2.5 kV | 2.5 kV         | 2.5 kV |
| Rated current        | 6 A    | 6 A            | 6 A    |

| Approvals per |       | UL 1059 |   |  |
|---------------|-------|---------|---|--|
| Use group     | B     | C       | D |  |
| Rated voltage | 150 V | -       | - |  |
| Rated current | 4 A   | -       | - |  |



| Approvals per |       | CSA |   |
|---------------|-------|-----|---|
| Use group     | B     | C   | D |
| Rated voltage | 150 V | -   | - |
| Rated current | 4 A   | -   | - |

| Connection data            |   |                                                   |                                                                                                                                                                  |
|----------------------------|---|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clamping units             | 5 | <b>Connection 1</b>                               |                                                                                                                                                                  |
| Total number of potentials | 5 | Connection technology                             | CAGE CLAMP®                                                                                                                                                      |
| Number of connection types | 1 | Actuation type                                    | Slider                                                                                                                                                           |
| Number of levels           | 1 | Solid conductor                                   | 0.08 ... 0.5 mm² / 28 ... 20 AWG                                                                                                                                 |
|                            |   | Fine-stranded conductor                           | 0.08 ... 0.5 mm² / 28 ... 20 AWG                                                                                                                                 |
|                            |   | Fine-stranded conductor; with insulated ferrule   | 0.25 mm²                                                                                                                                                         |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 mm²                                                                                                                                                         |
|                            |   | Note (conductor cross-section)                    | Terminating 0.75 mm²/18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size. |
|                            |   | Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches                                                                                                                                 |
|                            |   | Conductor connection direction to PCB             | 40 °                                                                                                                                                             |
|                            |   | Pole number                                       | 5                                                                                                                                                                |

| Physical data                        |                        |  |
|--------------------------------------|------------------------|--|
| Pin spacing                          | 2.5 mm / 0.098 inches  |  |
| Width                                | 14 mm / 0.551 inches   |  |
| Height                               | 10.9 mm / 0.429 inches |  |
| Height from the surface              | 8.1 mm / 0.319 inches  |  |
| Depth                                | 13 mm / 0.551 inches   |  |
| Solder pin length                    | 2.8 mm                 |  |
| Solder pin dimensions                | 0.5 x 0.75 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 | 2                                        |

| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | 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                          | 0.083 MJ                                                                 |
| Weight                             | 1.7 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 9.0              | EC002643                       |
| ETIM 8.0              | EC002643                       |
| PU (SPU)              | 500 (100) pcs                  |
| Packaging type        | Box                            |
| Country of origin     | PL                             |
| GTIN                  | 4044918877695                  |
| 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 | Approval                                                   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.        | EN 60947      | NTR NL-7076      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.        | EN 60947-7-4  | NTR NL-7785      | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.        | EN 60947-7-4  | 77-111038        |                                                            |          |                  |
| CSA<br>DEKRA Certification B.V.        | C22.2 No. 158 | 1565656          |                                                            |          |                  |
| ENEC<br>DEKRA Certification B.V.       | EN 60947      | 2160584.01       |                                                            |          |                  |
| UL<br>UL International Germany<br>GmbH | UL 1059       | E45172           |                                                            |          |                  |

Downloads

| Environmental Product Compliance            |  |
|---------------------------------------------|--|
| Compliance Search                           |  |
| Environmental Product<br>Compliance 218-105 |  |

Documentation

| Additional Information |            |                   |                                                                                   |
|------------------------|------------|-------------------|-----------------------------------------------------------------------------------|
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

| CAD data                                                                                               | CAE data                                                                                                      |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 2D/3D Models 218-105  | EPLAN Data Portal 218-105  |
|                                                                                                        | ZUKEN Portal 218-105       |

| PCB Design                                                                                                                         |  |
|------------------------------------------------------------------------------------------------------------------------------------|--|
| Symbol and Footprint via SamacSys 218-105         |  |
| Symbol and Footprint via Ultra Librarian 218-105  |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                   |                                                                                                                   |                                                                                                             |                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                                |                                |                          |                                        |
| <a href="#">Item No.: 216-301</a><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | <a href="#">Item No.: 216-321</a><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | <a href="#">Item No.: 216-151</a><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated | <a href="#">Item No.: 216-131</a><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored |

1.1.2 Marking

1.1.2.1 Marking strip

|                                                                                                                                                                                                             |                                                                                                                                                                                                             |                                                                                                                                                                                                              |                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                          |                                                                                                                          |                                                                                                                          |                                                                                                                         |
| <a href="#">Item No.: 210-331/250-202</a><br>Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="#">Item No.: 210-331/250-207</a><br>Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="#">Item No.: 210-331/250-204</a><br>Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="#">Item No.: 210-331/250-206</a><br>Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white |

1.1.3 Test and measurement

1.1.3.1 Testing accessories



**Item No.: 735-500**  
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

1.1.4 Tool

1.1.4.1 Operating tool



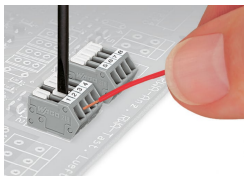
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



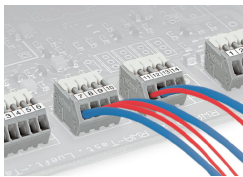
**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

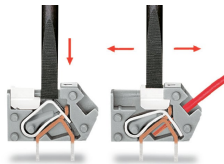
Conductor termination



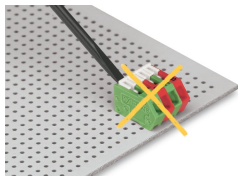
Terminating stranded conductors in confined spaces requires a great deal of patience, unless you use the new 218 Series PCB Terminal Strips. The clamping units of these strips can be held open during termination process via integrated locking slide.



Terminating 0.75 mm²/18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size.



Conductor termination: To momentarily open the clamping unit, use screwdriver and then insert a stripped conductor. To open clamping unit for an extended period, move locking slide toward conductor entry hole. Then fully insert stripped conductor and move locking slide back to original position (also possible to perform with fingernail).

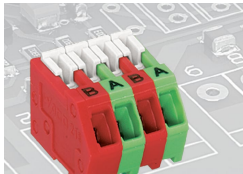


Incorrect – do not operate the locking slides from the back.

Marking

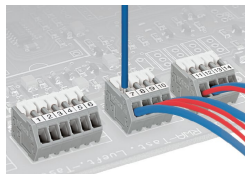


Labeling with self-adhesive marking strips.



Labeling via factory direct marking.

Testing



Testing directly on the clamping spring.

