# Data Sheet | Item Number: 741-912
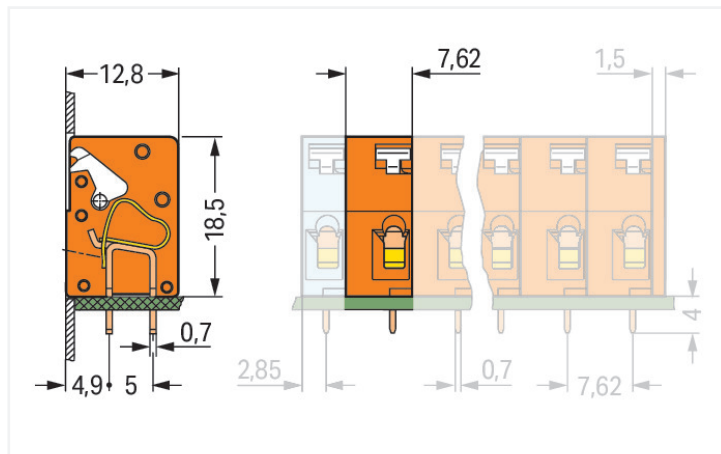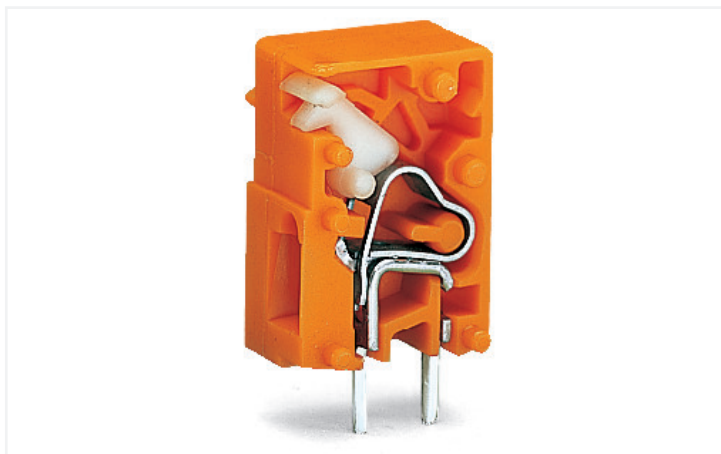
## Stackable PCB terminal block; push-button; 2.5 mm²; Pin spacing 7.62 mm; 1-pole; CAGE CLAMP®; 2,50 mm²; orange

https://www.wago.com/741-912

Color: ■ orange

- Feedthrough PCB terminal strips with push-button actuated CAGE CLAMP®
- Simple, push-button wiring
- Test slot integrated into upper-portion of conductor entry for test pins

## Notes

| | |
|---|---|
| Variants: | Other pole numbers<br>Other colors<br>Direct marking<br>Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/. |

## Electrical data

| Ratings per | IEC/EN 60664-1 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 400 V | 400 V | 800 V |
| Rated surge voltage | 6 kV | 6 kV | 6 kV |
| Rated current | 16 A | 16 A | 16 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 300 V | - | 300 V |
| Rated current | 10 A | - | 10 A |

| Approvals per | CSA | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 300 V | - | 300 V |
| Rated current | 16 A | - | 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 |
| 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 |
| Strip length | 5 … 6 mm / 0.2 … 0.24 inches |

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## Connection 1

| | |
|---|---|
| Conductor connection direction to PCB | 0 ° |
| Pole number | 1 |

## Physical data

| | |
|---|---|
| Pin spacing | 7.62 mm / 0.3 inches |
| Width | 7.62 mm / 0.3 inches |
| Height | 22.5 mm / 0.886 inches |
| Height from the surface | 18.5 mm / 0.728 inches |
| Depth | 12.8 mm / 0.504 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 | 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 | 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 ($E_{Cu}$) |
| Contact plating | Tin |
| Fire load | 0.036 MJ |
| Weight | 1.6 g |

## Environmental requirements

| | |
|---|---|
| Limit temperature range | -60 … +105 ℃ |

## 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 | 4044918678032 |
| Customs tariff number | 85369010000 |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| UR<br>Underwriters Laboratories Inc. | UL 1059 | E45172 |

### Approvals for marine applications

| Approval | Standard | Certificate Name |
|---|---|---|
| BV<br>Bureau Veritas S.A. | IEC 60998 | 11915/D0 BV |

## Downloads

### Environmental Product Compliance

**Compliance Search**

| | |
|---|---|
| Environmental Product Compliance 741-912 | ↓ |

### Documentation

**Additional Information**

| Technical Section | 03.04.2019 | pdf<br>2010.85 KB | ↓ |
|---|---|---|---|

### CAD/CAE-Data

**CAE data**

| | |
|---|---|
| EPLAN Data Portal 741-912 | ↓ |

## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 End plate

## 1.1.1.1 End plate

**Item No.: 741-100**
End plate; snap-fit type; 1.5 mm thick; gray

**Item No.: 741-600**
End plate; snap-fit type; 1.5 mm thick; orange

**Item No.: 741-906**
End plate; snap-fit type; 1.5 mm thick; with fixing flange; gray

**Item No.: 741-916**
End plate; snap-fit type; 1.5 mm thick; with fixing flange; orange

## 1.2 Optional Accessories

## 1.2.1 Ferrule

## 1.2.1.1 Ferrule

**Item No.: 216-301**
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

**Item No.: 216-321**
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

**Item No.: 216-151**
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

**Item No.: 216-131**
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-302**
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

**Item No.: 216-322**
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

**Item No.: 216-132**
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

**Item No.: 216-152**
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

**Item No.: 216-241**
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

**Item No.: 216-201**
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

**Item No.: 216-221**
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

**Item No.: 216-141**
Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

**Item No.: 216-101**
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-121**
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-242**
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

**Item No.: 216-262**
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

**Item No.: 216-202**
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

**Item No.: 216-222**
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

**Item No.: 216-142**
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

**Item No.: 216-102**
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-122**
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-243**
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

**Item No.: 216-263**
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

**Item No.: 216-203**
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

**Item No.: 216-223**
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

**Item No.: 216-103**
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

**Item No.: 216-143**
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

**Item No.: 216-123**
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-204**
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

**Item No.: 216-224**
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

**Item No.: 216-244**
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

**Item No.: 216-264**
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

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## 1.2.1.1 Ferrule

**Item No.: 216-284**
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

**Item No.: 216-124**
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated

**Item No.: 216-144**
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

**Item No.: 216-104**
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

## 1.2.2 Tool

## 1.2.2.1 Operating tool

**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

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

Current addresses can be found at:: www.wago.com