

**Data Sheet | Item Number: 280-609**

Terminal block for pluggable modules; 6-pole; with 4-conductor terminal blocks; with orange separator; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

<https://www.wago.com/280-609>



Color: ■ gray

Similar to illustration

| Electrical data                   |  |                                   |
|-----------------------------------|--|-----------------------------------|
| Rated continuous current          |  | 10 A                              |
| Safety and protection             |  |                                   |
| Rated Voltage                     |  | 400 V                             |
| Rated impulse withstand voltage   |  | 6 kV                              |
| Pollution degree                  |  | 3                                 |
| Connection data                   |  |                                   |
| Total number of potentials        |  | 2                                 |
| Number of connection types        |  | 4                                 |
| Connection technology             |  | CAGE CLAMP®                       |
| Solid conductor                   |  | 0.08 ... 2.5 mm² / 28 ... 14 AWG  |
| Strip length                      |  | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Fine-stranded conductor           |  | 0.08 ... 2.5 mm² / 28 ... 14 AWG  |
| Wiring direction                  |  | Front-entry wiring                |
| Physical data                     |  |                                   |
| Width                             |  | 17 mm / 0.669 inches              |
| Height                            |  | 73 mm / 2.874 inches              |
| Depth from upper-edge of DIN-rail |  | 28 mm / 1.102 inches              |



| Mechanical data |  |             |
|-----------------|--|-------------|
| Mounting type   |  | DIN-35 rail |

| Material data                      |  |                  |
|------------------------------------|--|------------------|
| Color                              |  | gray             |
| Insulation material (main housing) |  | Polyamide (PA66) |
| Material group                     |  | I                |
| Flammability class per UL94        |  | V0               |
| Fire load                          |  | 0.54 MJ          |
| Weight                             |  | 27.6 g           |

| Environmental requirements |  |                |
|----------------------------|--|----------------|
| Processing temperature     |  | -35 ... +85 °C |

| Commercial data       |  |               |
|-----------------------|--|---------------|
| PU (SPU)              |  | 30 (1) pcs    |
| Packaging type        |  | Box           |
| Country of origin     |  | DE            |
| GTIN                  |  | 4044918636360 |
| Customs tariff number |  | 85369010000   |

| Product classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121410             |
| eCl@ss 10.0            |  | 27-14-11-20          |
| eCl@ss 9.0             |  | 27-14-11-20          |
| ETIM 9.0               |  | EC000897             |
| ETIM 8.0               |  | EC000897             |
| ECCN                   |  | NO US CLASSIFICATION |

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

| Downloads                                |  |  |
|------------------------------------------|--|--|
| Environmental Product Compliance         |  |  |
| Compliance Search                        |  |  |
| Environmental Product Compliance 280-609 |  |  |



Documentation

| Bid Text |            |                  |  |
|----------|------------|------------------|--|
| 280-609  | 19.02.2019 | xml<br>2.71 KB   |  |
| 280-609  | 20.02.2019 | docx<br>13.96 KB |  |

CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 280-609 |

| CAE data                  |
|---------------------------|
| EPLAN Data Portal 280-609 |
| WSCAD Universe 280-609    |
| ZUKEN Portal 280-609      |

1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <br><b>Item No.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored         | <br><b>Item No.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored | <br><b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                     |
| <br><b>Item No.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <br><b>Item No.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored            | <br><b>Item No.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored         | <br><b>Item No.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored |
| <br><b>Item No.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <br><b>Item No.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored | <br><b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored          | <br><b>Item No.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored      |

1.1.2 Ferrule

1.1.2.1 Ferrule

|                                                                                                                                                                                                 |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | <br><b>Item No.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise | <br><b>Item No.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white | <br><b>Item No.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



1.1.2.1 Ferrule



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



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



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



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



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



**Item No.: 216-104**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-  
insulated; electro-tin plated; silver-colo-  
red

1.1.3 Installation

1.1.3.1 Mounting accessories



**Item No.: 209-106**  
Mounting carrier; for isolated mounting on  
DIN 35 rails; gray

1.1.4 Insulation stop

1.1.4.1 Insulation stop



**Item No.: 280-470**  
Insulation stop; 0.08 - 0.2 mm² "s" (0.14  
mm² "f-st"); 5 pieces/strip; white



**Item No.: 280-471**  
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/  
strip; light gray



**Item No.: 280-472**  
Insulation stop; 0.75 - 1 mm²; 5 pieces/  
strip; black

1.1.5 Jumper

1.1.5.1 Jumper



**Item No.: 280-490**  
Jumper; 10-way; insulated; gray



**Item No.: 280-482**  
Jumper; 2-way; insulated; gray



**Item No.: 280-492**  
Jumper; 2-way; insulated; gray



**Item No.: 280-483**  
Jumper; 3-way; insulated; gray



**Item No.: 280-484**  
Jumper; 4-way; insulated; gray



**Item No.: 280-485**  
Jumper; 5-way; insulated; gray



**Item No.: 709-110**  
Wire commoning chain; 2.5 mm²; insula-  
ted; black



**Item No.: 709-111**  
Wire commoning chain; 2.5 mm²; insula-  
ted; black



**Item No.: 709-112**  
Wire commoning chain; 2.5 mm²; insula-  
ted; black



**Item No.: 210-103**  
Wire commoning chain; insulated; black



**Item No.: 210-123**  
Wire commoning chain; insulated; blue



1.1.6 Marking

1.1.6.1 Marker



**Item No.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 793-501/000-024**  
WMB marking card; as card; not stretchable; plain; snap-on type; violet



**Item No.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.7 Plug

1.1.7.1 Empty component plug housing



**Item No.: 286-111**  
Empty component plug housing; Type 10; 15 mm wide; 6-pole; gray



**Item No.: 286-112**  
Empty component plug housing; Type 11; 20 mm wide; 8-pole; gray



**Item No.: 286-113**  
Empty component plug housing; Type 12; 25 mm wide; 10-pole; gray



**Item No.: 786-101**  
Empty component plug housing; Type 14; 15 mm wide; 6-pole; gray



**Item No.: 286-110**  
Empty component plug housing; Type 9; 10 mm wide; 4-pole; gray

1.1.8 Protective warning marker

1.1.8.1 Cover



**Item No.: 280-415**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.9 Relay module

1.1.9.1 AND gate module



**Item No.: 286-826**  
AND gate module with 6 inputs; light gray

1.1.9.2 Bridge rectifier module



**Item No.: 286-830**  
Bridge rectifier module; Input voltage: 24 VAC; with varistor protective circuit; gray



1.1.9.3 Component module with a fuse



**Item No.: 286-891**  
Component module with fuse; for (5 x 20) mm microfuse; Nominal voltage: 230 VAC/DC; gray



**Item No.: 286-890**  
Component module with fuse; for (5 x 20) mm microfuse; Nominal voltage: 24 VAC/DC; gray

1.1.9.4 Component module with diode



**Item No.: 286-805**  
Component module with diode; with 5 pcs; Diode 1N4007; with common anode; gray



**Item No.: 286-807**  
Component module with diode; with 7 pcs; Diode 1N4007; with common anode; gray



**Item No.: 286-809**  
Component module with diode; with 9 pcs; Diode 1N4007; with common anode; gray

1.1.9.5 Component module with LED



**Item No.: 286-822**  
Component module with LED; Red LED; with common cathode

1.1.9.6 Current flow monitoring module



**Item No.: 286-661**  
Current flow monitoring module; AC currents; light gray



**Item No.: 286-664**  
Current flow monitoring module; AC currents; Monitoring range: 0.2 A – 3 A; 1 changeover contact; light gray



**Item No.: 286-665**  
Current flow monitoring module; AC currents; Monitoring range: 1 A – 10 A; 1 changeover contact; light gray



**Item No.: 286-662**  
Current flow monitoring module; DC currents; Monitoring range: 0.4 A – 3.5 A; 1 make contact; light gray

1.1.9.7 Optocoupler module



**Item No.: 286-725**  
Optocoupler module; gray



**Item No.: 286-790**  
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 30 VDC; Limiting continuous current: 0.5 A; gray



**Item No.: 286-723**  
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 15 ... 30 VDC; Limiting continuous current: 4 A; 3-wire connection/high-side switching; Red status indicator; Module width: 15 mm; gray



**Item No.: 286-721**  
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 15 ... 30 VDC; Limiting continuous current: 5 A; 3-wire connection/low-side switching; Red status indicator; Module width: 15 mm; gray



**Item No.: 286-752**  
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 20 ... 30 VDC; Limiting continuous current: 0.5 A; 3-wire connection/high-side switching; Frequency: 25 kHz; Red status indicator; Module width: 15 mm; gray



**Item No.: 286-791**  
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 20 ... 60 VDC; Limiting continuous current: 0.1 A; 2-wire connection; Frequency: 3 kHz; Red status indicator; Module width: 10 mm; gray



**Item No.: 286-794**  
Optocoupler module; Nominal input voltage: 24 VDC; Red status indicator; gray



**Item No.: 286-752/002-000**  
Optocoupler module; Red status indicator; gray



**Item No.: 286-792**  
Optocoupler module; Red status indicator; gray



1.1.9.8 Relay module

|                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 286-380</b><br>Bistable relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 15 mm; gray                                | <br><b>Item No.: 286-573</b><br>Latching relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Red status indicator; Module width: 15 mm                | <br><b>Item No.: 286-307/004-000</b><br>Relay module; Nominal input voltage: 110 VDC; 1 changeover contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 15 mm; gray   | <br><b>Item No.: 286-507</b><br>Relay module; Nominal input voltage: 115 VAC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray                                           |
| <br><b>Item No.: 286-316</b><br>Relay module; Nominal input voltage: 220 VDC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 20 mm; gray                 | <br><b>Item No.: 286-508</b><br>Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray                  | <br><b>Item No.: 286-516</b><br>Relay module; Nominal input voltage: 230 VAC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray                   | <br><b>Item No.: 286-320</b><br>Relay module; Nominal input voltage: 24 VDC; 1 break and 1 make contact; Limiting continuous current: 6 A; Red status indicator; Module width: 20 mm; gray                                      |
| <br><b>Item No.: 286-320/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 1 break and 1 make contact; Railway; Red status indicator; Module width: 20 mm; gray                              | <br><b>Item No.: 286-368/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 1 break contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 10 mm; gray       | <br><b>Item No.: 286-368</b><br>Relay module; Nominal input voltage: 24 VDC; 1 break contact; Limiting continuous current: 5 A; Red status indicator; Module width: 10 mm; gray                          | <br><b>Item No.: 286-394/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 1 A; with gold contacts; Railway; Red status indicator; Module width: 15 mm; light gray |
| <br><b>Item No.: 286-304/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Railway; Red status indicator; Module width: 15 mm; gray  | <br><b>Item No.: 286-304</b><br>Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray                   | <br><b>Item No.: 286-364/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 10 mm; gray          | <br><b>Item No.: 286-376</b><br>Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 5 A; for switching higher DC loads; Red status indicator; Module width: 15 mm; gray                   |
| <br><b>Item No.: 286-364</b><br>Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 5 A; Red status indicator; Module width: 10 mm; gray                       | <br><b>Item No.: 286-336/001-000</b><br>Relay module; Nominal input voltage: 24 VDC; 2 break and 2 make contacts; Red status indicator; Module width: 25 mm; gray                                    | <br><b>Item No.: 286-312/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 5 A; Railway; Red status indicator; Module width: 20 mm; gray | <br><b>Item No.: 286-312</b><br>Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 20 mm; gray                                         |
| <br><b>Item No.: 286-328/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 2 make contact; Limiting continuous current: 6 A; Railway; Red status indicator; Module width: 20 mm; gray      | <br><b>Item No.: 286-328</b><br>Relay module; Nominal input voltage: 24 VDC; 2 make contact; Limiting continuous current: 6 A; Red status indicator; Module width: 20 mm; gray                       | <br><b>Item No.: 286-344/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 3 break contacts and 1 make contact; Railway; Red status indicator; Module width: 25 mm; gray                     | <br><b>Item No.: 286-352/004-000</b><br>Relay module; Nominal input voltage: 24 VDC; 4 make contacts; Limiting continuous current: 5 A; Railway; Red status indicator; Module width: 25 mm; gray                              |
| <br><b>Item No.: 286-640/004-000</b><br>Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 5 A; Railway; Multifunction; Red status indicator; Module width: 20 mm; gray | <br><b>Item No.: 286-604/004-000</b><br>Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; On-delay: 10 ... 100 s; Red status indicator; Module width: 20 mm; gray | <br><b>Item No.: 286-640</b><br>Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; Railway; Multifunction/Multitime; Red status indicator; Module width: 20 mm; gray |                                                                                                                                                                                                                                                                                                                    |

1.1.9.9 S0 interface power supply unit

|                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 286-742</b><br>S0 interface power supply; Input voltage: 230 VAC; S0 interface |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1.1.9.10 Switching module



**Item No.: 286-895**  
Switching module; with changeover rocker switch; Switching voltage: 250 VAC; Switching current: 6 A; gray



**Item No.: 286-896**  
Switching module; with momentary switch; Switching voltage: 250 VAC; Switching current: 6 A; gray

1.1.9.11 Timer relay module



**Item No.: 286-640/004-000**  
Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 5 A; Railway; Multifunction; Red status indicator; Module width: 20 mm; gray



**Item No.: 286-604/004-000**  
Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; On-delay: 10 ... 100 s; Red status indicator; Module width: 20 mm; gray



**Item No.: 286-640**  
Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; Railway; Multifunction/Multitime; Red status indicator; Module width: 20 mm; gray

1.1.10 Tool

1.1.10.1 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