

Data Sheet | Item Number: 280-628

Terminal block for pluggable modules; 8-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/280-628>



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		22 mm / 0.866 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		0.697 MJ
Weight		35.2 g

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

Commercial data		
PU (SPU)		20 (1) pcs
Packaging type		Box
Country of origin		DE
GTIN		4044918636384
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

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Documentation

Bid Text			
280-628	19.02.2019	xml 2.71 KB	
280-628	20.02.2019	docx 13.96 KB	

CAD/CAE-Data

CAD data
2D/3D Models 280-628

CAE data
EPLAN Data Portal 280-628
WSCAD Universe 280-628
ZUKEN Portal 280-628

1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Mounting accessories

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

 Item No.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	 Item No.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	 Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white	 Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored
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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.: 786-102
Empty component plug housing; Type 15; 20 mm wide; 8-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



Item No.: 286-380
Bistable relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 15 mm; gray



Item No.: 286-573
Latching relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Red status indicator; Module width: 15 mm



Item No.: 286-307/004-000
Relay module; Nominal input voltage: 110 VDC; 1 changeover contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 15 mm; gray



Item No.: 286-507
Relay module; Nominal input voltage: 115 VAC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray



Item No.: 286-316
Relay module; Nominal input voltage: 220 VDC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 20 mm; gray



Item No.: 286-508
Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray



Item No.: 286-516
Relay module; Nominal input voltage: 230 VAC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray



Item No.: 286-320
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



Item No.: 286-320/004-000
Relay module; Nominal input voltage: 24 VDC; 1 break and 1 make contact; Railway; Red status indicator; Module width: 20 mm; gray



Item No.: 286-368/004-000
Relay module; Nominal input voltage: 24 VDC; 1 break contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 10 mm; gray



Item No.: 286-368
Relay module; Nominal input voltage: 24 VDC; 1 break contact; Limiting continuous current: 5 A; Red status indicator; Module width: 10 mm; gray



Item No.: 286-394/004-000
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



Item No.: 286-304/004-000
Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Railway; Red status indicator; Module width: 15 mm; gray



Item No.: 286-304
Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray



Item No.: 286-364/004-000
Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 10 mm; gray



Item No.: 286-376
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



Item No.: 286-364
Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 5 A; Red status indicator; Module width: 10 mm; gray



Item No.: 286-336/001-000
Relay module; Nominal input voltage: 24 VDC; 2 break and 2 make contacts; Red status indicator; Module width: 25 mm; gray



Item No.: 286-312/004-000
Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 5 A; Railway; Red status indicator; Module width: 20 mm; gray



Item No.: 286-312
Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 20 mm; gray



Item No.: 286-328/004-000
Relay module; Nominal input voltage: 24 VDC; 2 make contact; Limiting continuous current: 6 A; Railway; Red status indicator; Module width: 20 mm; gray



Item No.: 286-328
Relay module; Nominal input voltage: 24 VDC; 2 make contact; Limiting continuous current: 6 A; Red status indicator; Module width: 20 mm; gray



Item No.: 286-344/004-000
Relay module; Nominal input voltage: 24 VDC; 3 break contacts and 1 make contact; Railway; Red status indicator; Module width: 25 mm; gray



Item No.: 286-352/004-000
Relay module; Nominal input voltage: 24 VDC; 4 make contacts; Limiting continuous current: 5 A; Railway; Red status indicator; Module width: 25 mm; gray



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

1.1.9.9 S0 interface power supply unit



Item No.: 286-742
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