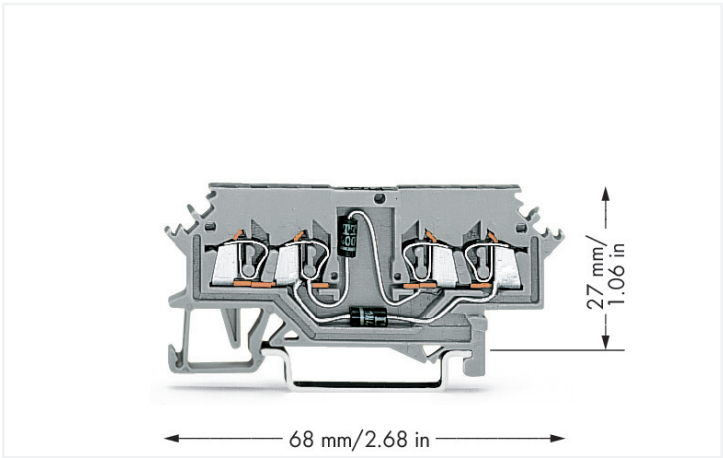


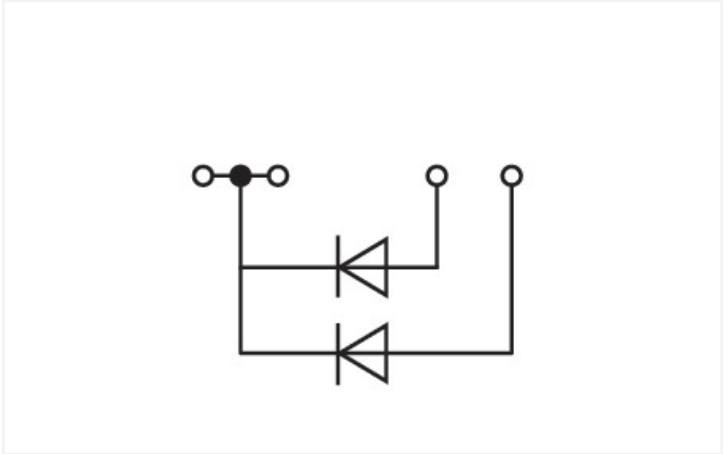
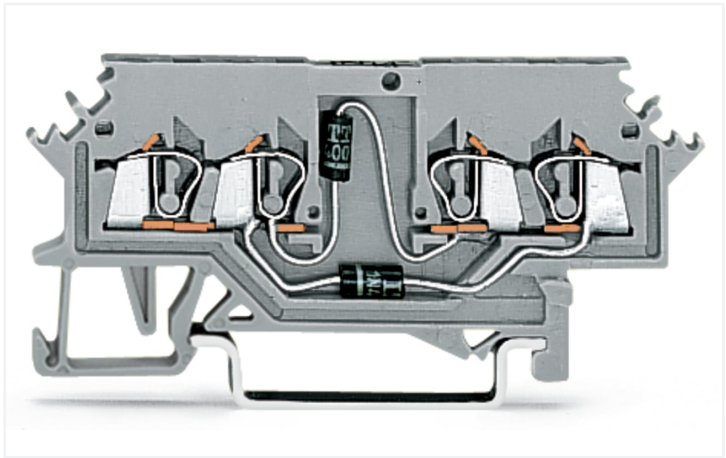
Data Sheet | Item Number: 279-620/281-408

Component terminal block; 4-conductor; for lamp test circuits up to 60 V; with 2 diodes 1N4007; Right-side anode; for DIN-rail 35 x 15 and 35 x 7.5; 1.5 mm²; CAGE CLAMP®; 1,50 mm²; gray

<https://www.wago.com/279-620/281-408>



Color: ■ gray



279-620

Component terminal block with diode, 279 Series, operating tool

Our component terminal block with diode (item number 279-620/281-408) simplifies electrical installations. Ensure that the strip lengths are between 8 mm and 9 mm when connecting conductors to component terminal block with diode. This product features conductor terminals and utilizes CAGE CLAMP®. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. Component terminal block with diode is suitable for conductor cross sections ranging from 0.08 mm² to 1.5 mm². He features one level and four clamping points that you can use to connect a single potential. The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

Electrical data					General information	
Ratings per		IEC/EN 60947-7-1				
Overvoltage category		III	III	II	Nominal voltage	60 V
Pollution degree		3	2	2	Reverse voltage	1000 V
Nominal voltage		-	-	-		
Rated surge voltage		-	-	-		
Rated current		-	-	-		

Connection data

Clamping units	4
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.08 ... 1.5 mm² / 28 ... 16 AWG
Fine-stranded conductor	0.08 ... 1.5 mm² / 28 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Front-entry wiring

Physical data

Width	4 mm / 0.157 inches
Height	68 mm / 2.677 inches
Depth from upper-edge of DIN-rail	27 mm / 1.063 inches

Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.167 MJ
Weight	6.1 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
eCl@ss 10.0	27-14-11-27
eCl@ss 9.0	27-14-11-27
ETIM 9.0	EC000903
ETIM 8.0	EC000903
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454193843
Customs tariff number	85369010000



Environmental Product Compliance	
CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	34e5e18c-f73c-4b58-8ae8-afcd061fe65b
SCIP notification number (Belgium)	fcf3a6c3-3b38-489a-b57f-966aab6a5326
SCIP notification number (Bulgaria)	1ca5e3b6-cbbb-402d-9034-e0a50895ed6a
SCIP notification number (Czech Republic)	a8e81e6c-6868-49d3-b28e-882b62ed4182
SCIP notification number (Denmark)	b3aa8942-1af0-4fe2-9110-3d019f0e2882
SCIP notification number (Finland)	6c47dc28-336e-44ab-86bf-eaebcf9d98ad
SCIP notification number (France)	acac9b2d-492f-47c3-ad90-f9d36f8c6fd6
SCIP notification number (Germany)	2d44d70a-82e2-43c1-ac13-6188051f1df4
SCIP notification number (Hungary)	68be0205-1a57-4523-99c1-eb7b3caee9ee
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SCIP notification number (Netherlands)	683e30fa-0452-4c13-9fad-6a8efa0fa84c
SCIP notification number (Poland)	fff0c7dc-4a6a-474b-ae63-85c922ed899d
SCIP notification number (Romania)	d3721215-5ad9-4916-b105-8daddfcab0bc
SCIP notification number (Sweden)	d02b9f5d-e4c3-4043-8e39-f42eeba208e4

Approvals / Certificates		
Approvals for marine applications		
 		
Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
LR Lloyds Register	EN 60947	91/20112 (E9)

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 279-620/281-408	



Documentation		
Additional Information		
Technical Section	pdf 2246.92 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 279-620/281-408	EPLAN Data Portal 279-620/281-408
	WSCAD Universe 279-620/281-408
	ZUKEN Portal 279-620/281-408

1 Compatible Products			
1.1 Required Accessories			
1.1.1 End plate			
1.1.1.1 End plate			
Item No.: 279-316 End and intermediate plate; 2 mm thick; gray	Item No.: 279-317 End and intermediate plate; 2 mm thick; orange	Item No.: 279-337 Separator plate; 2 mm thick; oversized; gray	Item No.: 279-327 Separator plate; 2 mm thick; oversized; orange

1.2 Optional Accessories			
1.2.1 DIN-rail			
1.2.1.1 Mounting accessories			
Item No.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored	Item No.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored	Item No.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; 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; slopped; similar to EN 60715; silver-colored
Item No.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; 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; unslopped; similar to EN 60715; silver-colored	Item No.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored	Item No.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; 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; slopped; 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; slopped; 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; unslopped; according to EN 60715; silver-colored	Item No.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; galvanized; according to EN 60715; silver-colored



1.2.2 Ferrule

1.2.2.1 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



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



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



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



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

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-153
Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

1.2.3.2 Cover carrier



Item No.: 709-167
Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.3.3 Mounting accessories



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



Item No.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.2.4 Insulation stop

1.2.4.1 Insulation stop



Item No.: 279-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white



Item No.: 279-471
Insulation stop; 0.25 mm²; 5 pieces/strip; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



[Item No.: 279-490](#)
Jumper; 10-way; insulated; gray

[Item No.: 279-482](#)
Jumper; 2-way; insulated; gray

[Item No.: 279-492](#)
Jumper; 2-way; insulated; gray

[Item No.: 279-483](#)
Jumper; 3-way; insulated; gray

1.2.6 Marking

1.2.6.1 Marker



[Item No.: 793-4501/000-006](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue

[Item No.: 793-4501/000-014](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown

[Item No.: 793-4501/000-007](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray

[Item No.: 793-4501/000-023](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green



[Item No.: 793-4501/000-017](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green

[Item No.: 793-4501/000-012](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange

[Item No.: 793-4501/000-005](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red

[Item No.: 793-4501/000-024](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet



[Item No.: 793-4501](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white

[Item No.: 793-4501/000-002](#)
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

[Item No.: 2009-114/000-006](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue

[Item No.: 2009-114/000-007](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray



[Item No.: 2009-114/000-023](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green

[Item No.: 2009-114/000-012](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange

[Item No.: 2009-114/000-005](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red

[Item No.: 2009-114/000-024](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet



[Item No.: 2009-114](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white

[Item No.: 2009-114/000-002](#)
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

1.2.7 Protective warning marker

1.2.7.1 Cover



[Item No.: 279-415](#)
Protective warning marker; 5-pole; with high-voltage symbol, black; yellow

1.2.8 Tool

1.2.8.1 Operating tool



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



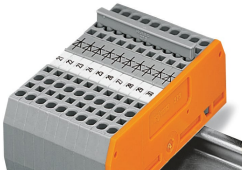
Item No.: 210-648
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



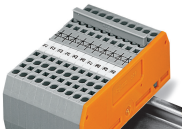
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Commoning



Commoning using comb-style jumper bars:
Push comb-style jumper bars down until fully inserted.



These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.