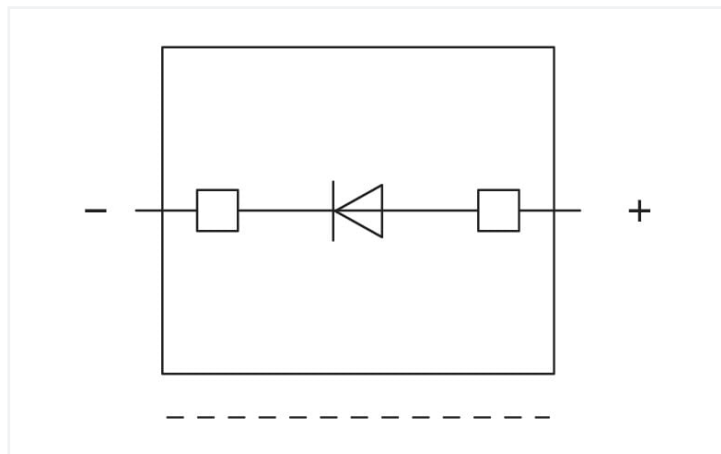


# Data Sheet | Item Number: 280-801/281-411

Component plug; for carrier terminal blocks; 2-pole; with diode 1N4007; 5 mm wide; gray

<https://www.wago.com/280-801/281-411>



Color: ■ gray

## Electrical data

### Ratings per IEC/EN

Rated current	0.5 A
Operation status indicator	None

### General information

Nominal voltage	250 V
Reverse voltage	1000 V

## Connection data

### Connection 1

Wiring direction	Front-entry wiring
------------------	--------------------

## Physical data

Width	5 mm / 0.197 inches
-------	---------------------

## Material data

Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.114 MJ
Weight	2.6 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	27-14-11-49
eCl@ss 9.0	27-14-11-49
ETIM 8.0	EC002018
ETIM 7.0	EC002018
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454195595
Customs tariff number	85366990990

### 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
SCIP notification number (Austria)	70d523b1-4a0f-4170-b041-9860ce21a14a
SCIP notification number (Belgium)	d7dbcfba-9de4-4c3d-b1d9-42873ec84e60
SCIP notification number (Bulgaria)	90e7b3cf-cbf6-4382-b651-b15203b433cb
SCIP notification number (Czech Republic)	f9bbe551-d118-49ed-b25a-0772c4c35138
SCIP notification number (Denmark)	6e93be8b-67a1-40ca-91d5-d32f554ec174
SCIP notification number (Finland)	bf02b3e8-460b-41b3-b336-e85bc80e60bb
SCIP notification number (France)	a4e5abda-d684-40a2-b9e9-ede55db70d32
SCIP notification number (Germany)	74d38d65-09fe-4958-95a0-07ae2405cfef
SCIP notification number (Hungary)	7ac683f1-f767-4bd6-a269-0aca1fca574d
SCIP notification number (Italy)	1053be22-1e65-4a03-9fb5-33ffd02e7e19
SCIP notification number (Netherlands)	fa4903a2-9680-4b09-a4c7-9e8c691163ca
SCIP notification number (Poland)	b9a98d04-9f37-4757-b23e-e8020ddaa679
SCIP notification number (Romania)	fa0296bf-6e18-4161-bd5e-61ca5e0d6523
SCIP notification number (Sweden)	3075aa81-2e46-4bcb-90f6-0d40e3703393

### Downloads

#### Environmental Product Compliance

##### Compliance Search

Environmental Product  
Compliance  
280-801/281-411



## Documentation

### Additional Information

Technical Section	pdf 2240.62 KB	<a href="#">↓</a>
-------------------	-------------------	-------------------

### Bid Text

280-801/281-411	19.02.2019	xml 2.73 KB	<a href="#">↓</a>
280-801/281-411	27.04.2017	doc 23.00 KB	<a href="#">↓</a>

## CAD/CAE-Data

### CAD data

2D/3D Models 280-801/281-411	<a href="#">↓</a>
---------------------------------	-------------------

### CAE data

WSCAD Universe 280-801/281-411	<a href="#">↓</a>
ZUKEN Portal 280-801/281-411	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Terminal blocks

##### 1.1.1.1 Carrier terminal block for modules and plugs



##### Item No.: 280-616

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

##### Item No.: 280-916

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

##### Item No.: 280-610

3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

##### Item No.: 280-686

4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



##### Item No.: 280-816

4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

## Installation Notes

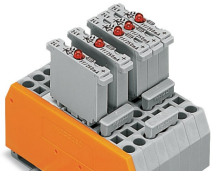
### Installation



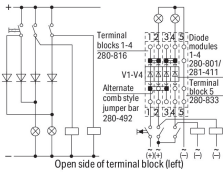
These diode modules are ideal for custom diode circuits (e.g., lamp test and collective fault signal circuits) and offer the following advantages:

- Separation into functional and wiring levels
- Polarized switching direction
- Quick and easy module replacement
- Terminal blocks/modules provide high-density wiring in a width of just 5 mm

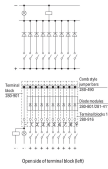
Commoning



Carrier terminal blocks with component plugs, alternate comb-style jumper bars, 3-way comb-style jumper bar



Lamp test circuit with blocking diodes



Diode gate for collective fault indication