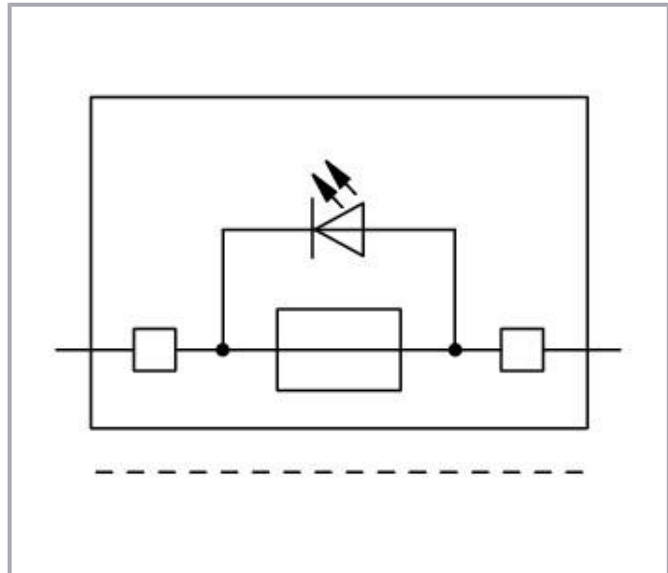


## Data sheet | Item number: 280-850/281-413

Fuse plug; with soldered miniature fuse; with indicator lamp; LED (red); DC 15 - 30 V; 250 mA FF; 5 mm wide; gray

[www.wago.com/280-850/281-413](http://www.wago.com/280-850/281-413)



### Data

#### Electrical data

#### Ratings per IEC/EN

Nominal voltage (III/3)

125 V

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



|                            |             |
|----------------------------|-------------|
| Rated current              | 5 A         |
| Operation status indicator | 15 ... 30 V |
| Legend (ratings)           |             |

### Ratings per IEC/EN – Notes

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Ratings (note)       | Electrical ratings are given by the fuse and blown fuse indication. |
| Note (rated current) | Leakage current in case of a blown fuse: LED 5 ... 20 mA            |

### General information

|                |                           |
|----------------|---------------------------|
| Voltage type 1 | DC                        |
| Fuse type      | Miniature fuse; 250 mA FF |

### Physical data

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

### Mechanical Data

|               |                       |
|---------------|-----------------------|
| Marking level | without marking level |
|---------------|-----------------------|

### Material data

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | gray                                                     |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Fire load                   | 0.101 MJ                                                 |
| Weight                      | 2.9 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                      |

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



|                       |               |
|-----------------------|---------------|
| 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                  | 4045454363086 |
| Customs tariff number | 85366990990   |

## Environmental Product Compliance

|                        |                           |
|------------------------|---------------------------|
| RoHS Compliance Status | Compliant, With Exemption |
| RoHS Exemption         | 7(c)-I                    |

## Approvals / Certificates

### General approvals

| Logo                                                                              | Approval                        | Additional Approval Text | Certificate name |
|-----------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | 2160584.53       |

### Declarations of conformity and manufacturer's declarations

| Logo                                                                               | Approval                                           | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------|------------------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

### Approvals for marine applications

| Logo                                                                               | Approval                           | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|------------------------------------|--------------------------|------------------|
|  | ABS<br>American Bureau of Shipping | EN 60947                 | 20-HG1941090-PDA |

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



DNV GL  
Det Norske Veritas, Germanischer Lloyd

TAE00001V2

## Optional accessories

### Terminal blocks

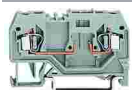
Carrier terminal block for modules and plugs



**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

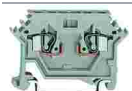
[www.wago.com/280-610](http://www.wago.com/280-610)



**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

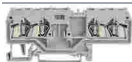
[www.wago.com/280-916](http://www.wago.com/280-916)



**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

[www.wago.com/280-616](http://www.wago.com/280-616)



**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

[www.wago.com/280-686](http://www.wago.com/280-686)



**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

[www.wago.com/280-816](http://www.wago.com/280-816)

## Downloads

### Documentation

#### Bid Text

| Item no.        | Date        | File name   | Size          | Action   |
|-----------------|-------------|-------------|---------------|----------|
| 280-850/281-413 | 2019 Feb 19 | X81 - Datei | xml<br>3.0 kB | Download |

| Item no.        | Date        | File name   | Size           | Action   |
|-----------------|-------------|-------------|----------------|----------|
| 280-850/281-413 | 2017 Mar 14 | doc - Datei | doc<br>24.6 kB | Download |

#### Additional Information

| File name | Size   | Action   |
|-----------|--------|----------|
| pdf       | 2.3 MB | Download |

## CAD/CAE-Data

### CAE data

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

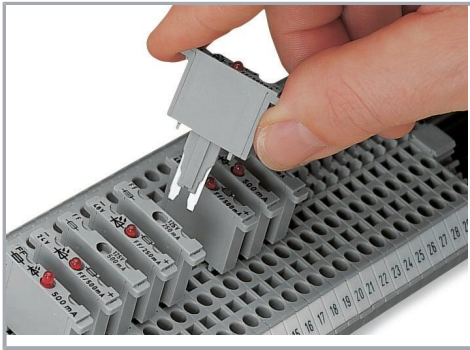
Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



|                                                                                                                      |                     |                          |
|----------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|
| WSCAD Universe 280-850/281-413                                                                                       | <a href="#">URL</a> | <a href="#">Download</a> |
| WSCAD Universe 280-850/281-413                                                                                       | <a href="#">URL</a> | <a href="#">Download</a> |
| CAD data                                                                                                             |                     |                          |
| 2D/3D Models 280-850/281-413                                                                                         | <a href="#">URL</a> | <a href="#">Download</a> |
| Asset Administration Shell                                                                                           |                     |                          |
| Asset Administration Shell 280-850/281-413                                                                           | <a href="#">URL</a> | <a href="#">Download</a> |
| Environmental Product Compliance                                                                                     |                     |                          |
| Compliance Search                                                                                                    |                     |                          |
| Environmental Product Compliance 280-850/281-413                                                                     | <a href="#">URL</a> | <a href="#">Download</a> |
| Fuse plug; with soldered miniature fuse; with indicator lamp; LED (red); DC 15 - 30 V;<br>250 mA FF; 5 mm wide; gray |                     |                          |

Installation Notes

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



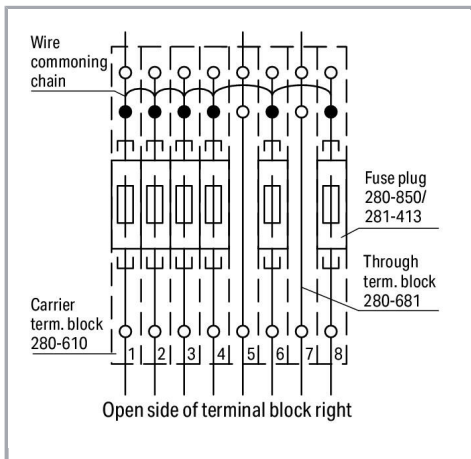
Using fuse plugs with rail-mount terminal blocks (280/281 and 769 Series) for control circuit protection is highly advantageous because the function and wiring levels are separated:

- No additional assembly and wiring costs
- No risk of accidental contact with live parts when disconnecting the fuse plug
- Quick plug replacement in case of a blown fuse
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person

Additional advantages:

- Terminal blocks/plugs provide ultra high-density wiring in a width of just 5 mm
- Optional LED indicates blown fuse

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



Fuse protection of individual outputs;  
supply via wire commoning chain

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.