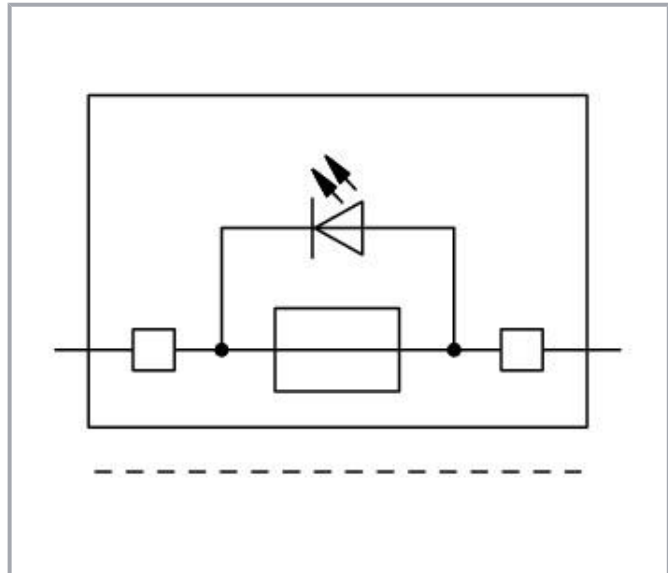


Data sheet | Item number: 281-512/281-501

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm;
with LED indicator; 24 V AC/DC; 6 mm wide; gray



www.wago.com/281-512/281-501



Data
Electrical data

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

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Ratings per IEC/EN

Ratings (note)	Electrical ratings are given by the fuse and blown fuse indication.
Nominal voltage (III/3)	250 V
Rated current	6.3 A
Note (rated current)	Leakage current in case of a blown fuse: LED 5 ... 20 mA
Operation status indicator	None none
Legend (ratings)	

Power Loss

Power loss (max.) $P_{I(max)}$ (note)

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

General information

Voltage type 1	AC/DC
Fuse type	Cylindrical fuse; 5 x 20 mm and 5 x 25 mm

Physical data

Width	6 mm / 0.236 inches
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Mechanical Data

Marking level	Center marking
---------------	----------------

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

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

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Fire load	0.081 MJ
Weight	6.7 g

Environmental requirements

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)	50 pcs
Packaging type	box
Country of origin	CN
GTIN	4050821276265
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates**Declarations of conformity and manufacturer's declarations**

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

Optional accessories**Jumpers**

Jumper

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

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Item no.: 281-503
Short circuit jumper; for fuse holder; silver-colored

www.wago.com/281-503

Marking accessories

Marker

	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	www.wago.com/2009-114/000-002
	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	www.wago.com/2009-114/000-005
	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	www.wago.com/2009-114/000-007
	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	www.wago.com/2009-114/000-023
	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	www.wago.com/2009-114/000-006
	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	www.wago.com/2009-114/000-024
	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	www.wago.com/2009-114/000-012
	Item no.: 2009-114 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white	www.wago.com/2009-114
	Item no.: 793-4501/000-002 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow	www.wago.com/793-4501/000-002
	Item no.: 793-4501/000-006 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue	www.wago.com/793-4501/000-006
	Item no.: 793-4501/000-014 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown	www.wago.com/793-4501/000-014

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



Item no.: 793-4501

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white

www.wago.com/793-4501



Item no.: 793-4501/000-023

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green

www.wago.com/793-4501/000-023



Item no.: 793-4501/000-024

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet

www.wago.com/793-4501/000-024



Item no.: 793-4501/000-005

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red

www.wago.com/793-4501/000-005



Item no.: 793-4501/000-007

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray

www.wago.com/793-4501/000-007



Item no.: 793-4501/000-012

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange

www.wago.com/793-4501/000-012



Item no.: 794-4617

WMB marking card; as card; MARKED; F21, ..., F30 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

www.wago.com/794-4617



Item no.: 794-4618

WMB marking card; as card; MARKED; F31, ..., F40 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

www.wago.com/794-4618



Item no.: 794-4615

WMB marking card; as card; MARKED; F1, ..., F10 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

www.wago.com/794-4615



Item no.: 794-4616

WMB marking card; as card; MARKED; F11, ..., F20 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

www.wago.com/794-4616



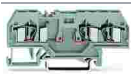
Item no.: 794-4619

WMB marking card; as card; MARKED; F41, ..., F50 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

www.wago.com/794-4619

Terminal blocks

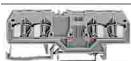
Carrier terminal block for modules and plugs



Item no.: 281-610

3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray

www.wago.com/281-610



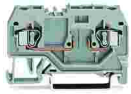
Item no.: 281-656

4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²;

www.wago.com/281-656

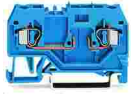
Subject to changes. Please also observe the further product documentation!

gray



Item no.: 281-916

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; www.wago.com/281-916
gray



Item no.: 281-917

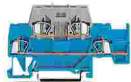
2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; www.wago.com/281-917
blue

Carrier terminal block



Item no.: 280-889

Triple-deck terminal block; with additional jumper position on lower level; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray/gray www.wago.com/280-889



Item no.: 280-891

Double-deck terminal block; with additional jumper position on lower level; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray www.wago.com/280-891



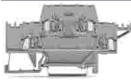
Item no.: 280-514

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray /gray www.wago.com/280-514



Item no.: 280-510

Triple-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; green-yellow/blue/gray www.wago.com/280-510



Item no.: 280-528

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray /gray www.wago.com/280-528



Item no.: 280-532

Double-deck terminal block; with additional jumper position on lower level; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; blue/gray www.wago.com/280-532



Item no.: 280-531

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; blue /gray www.wago.com/280-531

Downloads

Documentation

Bid Text

281-512/281-501 X81 - Datei	19 Feb 2019	xml 3.1 kB	Download
281-512/281-501 doc - Datei	14 Mar 2017	doc 24.6 kB	Download

Additional Information

pdf 2.2 MB	Download
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Subject to changes. Please also observe the further product documentation!

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CAD/CAE-Data

CAD data

2D/3D Models 281-512/281-501	URL	Download
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CAE data

WSCAD Universe 281-512/281-501	URL	Download
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ZUKEN Portal 281-512/281-501	URL	Download
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WSCAD Universe 281-512/281-501	URL	Download
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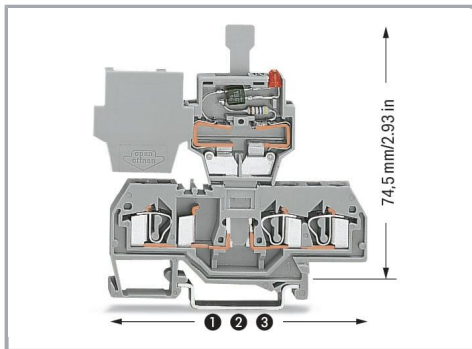
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 281-512/281-501	URL	Download
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Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; with LED indicator; 24 V AC/DC; 6 mm wide; gray

Installation Notes

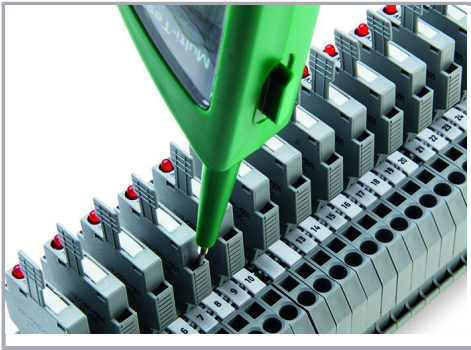


Length of carrier terminal blocks with a fuse plug:

73.5 mm / 2.89 inch für 281-610

Testing

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



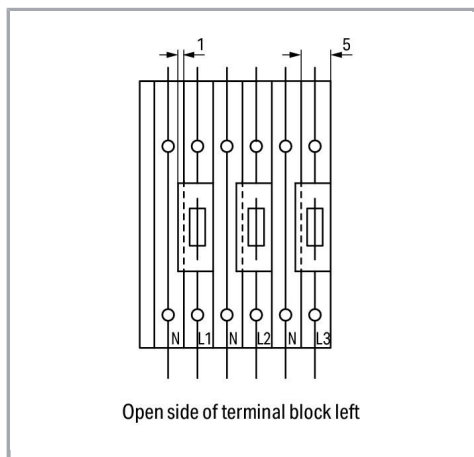
Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:

- No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared “stand-by plug”

Fuse plug features for quick and safe applications:

- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 6 mm
- May be used as a disconnect plug in combination with a shorting link

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



When a corresponding neutral circuit is adjacent to the fuse plug, a 5 mm wide space-saving terminal block may be used as a 6 mm fuse plug may overlap the terminal block (see diagram).

For example, 5 mm (0.197 inch) wide carrier terminal blocks can be used with an end plate.

Product family

Classic

EPSITRON® CLASSIC POWER: The Robust Power Supply – with Integrated TopBoost (Optional)

[Show all products from the family](#)

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