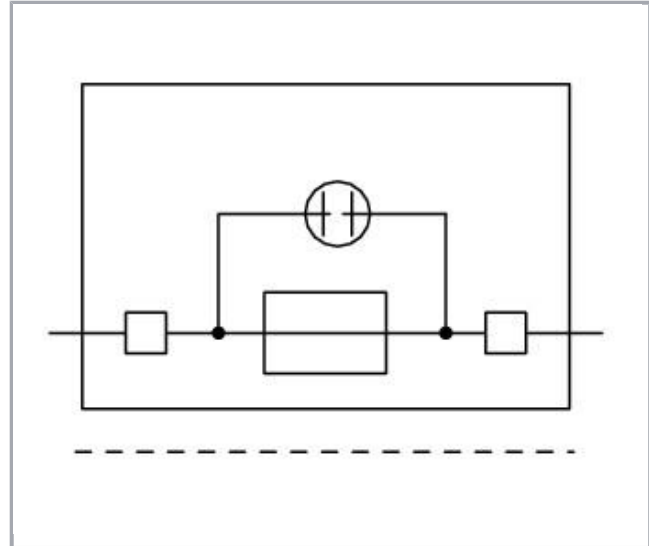


**Data sheet | Item number: 281-512/281-418**

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm;  
with blown fuse indication by neon lamp; 120 V; 6 mm wide; gray



[www.wago.com/281-512/281-418](http://www.wago.com/281-512/281-418)



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

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



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RoHS   
Compliant

BOMcheck.net

Color: 

## Item description

### Safety information 1:

Electrical ratings are given by the fuse and blown fuse indication.

### Safety information 2:

Leakage current in case of a blown fuse: Neon lamp < 0.4 mA

## Data

### Electrical data

Voltage type (1)	AC/DC
------------------	-------

### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
-------------------------	-------

Rated current	6.3 A
---------------	-------

### Geometrical Data

Width	6 mm / 0.236 inch
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### Mechanical data

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

### Material Data

Color	gray
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Insulating material	Polyamide 66 (PA 66)
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Fire load	0.082 MJ
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Weight	6.4 g
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### Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
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Packaging type	BOX
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Country of origin	CN
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Subject to changes. Please also observe the further product documentation!

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GTIN	4050821276258
Customs Tariff No.	85366990990

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2 No. 158	1505034
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	NTR NL- 7135
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.31

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	20- HG1941090- PDA
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

## Counterpart







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

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## Compatible products

### Marking accessories

	<b>Item no.: 2009-114</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-114">www.wago.com/2009-114</a>
	<b>Item no.: 2009-114/000-002</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/2009-114/000-002">www.wago.com/2009-114/000-002</a>
	<b>Item no.: 2009-114/000-005</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/2009-114/000-005">www.wago.com/2009-114/000-005</a>
	<b>Item no.: 2009-114/000-006</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/2009-114/000-006">www.wago.com/2009-114/000-006</a>
	<b>Item no.: 2009-114/000-007</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/2009-114/000-007">www.wago.com/2009-114/000-007</a>
	<b>Item no.: 2009-114/000-012</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/2009-114/000-012">www.wago.com/2009-114/000-012</a>
	<b>Item no.: 2009-114/000-023</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green	<a href="http://www.wago.com/2009-114/000-023">www.wago.com/2009-114/000-023</a>
	<b>Item no.: 2009-114/000-024</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/2009-114/000-024">www.wago.com/2009-114/000-024</a>
	<b>Item no.: 209-701</b> WSB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/209-701">www.wago.com/209-701</a>
	<b>Item no.: 209-701/000-002</b> WSB marking card; as card; not stretchable; plain; snap-on type; yellow	<a href="http://www.wago.com/209-701/000-002">www.wago.com/209-701/000-002</a>
	<b>Item no.: 209-701/000-005</b> WSB marking card; as card; not stretchable; plain; snap-on type; red	<a href="http://www.wago.com/209-701/000-005">www.wago.com/209-701/000-005</a>
	<b>Item no.: 209-701/000-006</b> WSB marking card; as card; not stretchable; plain; snap-on type; blue	<a href="http://www.wago.com/209-701/000-006">www.wago.com/209-701/000-006</a>

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



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<b>Item no.: 209-701/000-007</b> WSB marking card; as card; not stretchable; plain; snap-on type; gray	<a href="http://www.wago.com/209-701/000-007">www.wago.com/209-701/000-007</a>
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<b>Item no.: 209-701/000-012</b> WSB marking card; as card; not stretchable; plain; snap-on type; orange	<a href="http://www.wago.com/209-701/000-012">www.wago.com/209-701/000-012</a>
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<b>Item no.: 209-701/000-017</b> WSB marking card; as card; not stretchable; plain; snap-on type; light green	<a href="http://www.wago.com/209-701/000-017">www.wago.com/209-701/000-017</a>
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<b>Item no.: 209-701/000-023</b> WSB marking card; as card; not stretchable; plain; snap-on type; green	<a href="http://www.wago.com/209-701/000-023">www.wago.com/209-701/000-023</a>
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<b>Item no.: 209-701/000-024</b> WSB marking card; as card; not stretchable; plain; snap-on type; violet	<a href="http://www.wago.com/209-701/000-024">www.wago.com/209-701/000-024</a>
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<b>Item no.: 793-4501</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-4501">www.wago.com/793-4501</a>
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<b>Item no.: 793-4501/000-002</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-4501/000-002">www.wago.com/793-4501/000-002</a>
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<b>Item no.: 793-4501/000-005</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-4501/000-005">www.wago.com/793-4501/000-005</a>
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<b>Item no.: 793-4501/000-006</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-4501/000-006">www.wago.com/793-4501/000-006</a>
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<b>Item no.: 793-4501/000-007</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/793-4501/000-007">www.wago.com/793-4501/000-007</a>
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<b>Item no.: 793-4501/000-012</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/793-4501/000-012">www.wago.com/793-4501/000-012</a>
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<b>Item no.: 793-4501/000-014</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown	<a href="http://www.wago.com/793-4501/000-014">www.wago.com/793-4501/000-014</a>
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<b>Item no.: 793-4501/000-023</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green	<a href="http://www.wago.com/793-4501/000-023">www.wago.com/793-4501/000-023</a>
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<b>Item no.: 793-4501/000-024</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/793-4501/000-024">www.wago.com/793-4501/000-024</a>
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Subject to changes. Please also observe the further product documentation!

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**General accessories**




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	<b>Item no.: 281-503</b> Shorting link; 5 x 20 mm; if the fuse plug is used as disconnect plug	<a href="http://www.wago.com/281-503">www.wago.com/281-503</a>
	<b>Item no.: 281-610</b> 3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm <sup>2</sup> ; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/281-610">www.wago.com/281-610</a>
	<b>Item no.: 281-656</b> 4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm <sup>2</sup> ; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/281-656">www.wago.com/281-656</a>
	<b>Item no.: 281-916</b> 2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm <sup>2</sup> ; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/281-916">www.wago.com/281-916</a>

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**Terminal Block**


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	<b>Item no.: 280-510</b> Triple-deck 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> ; green-yellow/blue/gray	<a href="http://www.wago.com/280-510">www.wago.com/280-510</a>
	<b>Item no.: 280-514</b> Double-deck 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 /gray	<a href="http://www.wago.com/280-514">www.wago.com/280-514</a>
	<b>Item no.: 280-528</b> Double-deck 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 /gray	<a href="http://www.wago.com/280-528">www.wago.com/280-528</a>
	<b>Item no.: 280-531</b> Double-deck 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> ; blue /gray	<a href="http://www.wago.com/280-531">www.wago.com/280-531</a>
	<b>Item no.: 280-532</b> Double-deck terminal block; with additional jumper position on lower level; 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> ; blue/gray	<a href="http://www.wago.com/280-532">www.wago.com/280-532</a>
	<b>Item no.: 280-889</b> Triple-deck terminal block; with additional jumper position on lower level; 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/gray/gray	<a href="http://www.wago.com/280-889">www.wago.com/280-889</a>
	<b>Item no.: 280-891</b> Double-deck terminal block; with additional jumper position on lower level; 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/gray	<a href="http://www.wago.com/280-891">www.wago.com/280-891</a>

**Downloads****Documentation****Additional Information**

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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Subject to changes. Please also observe the further product documentation!

## CAD/CAE-Data

### CAD data

2D/3D Models 281-512/281-418

[URL](#)

[Download](#)

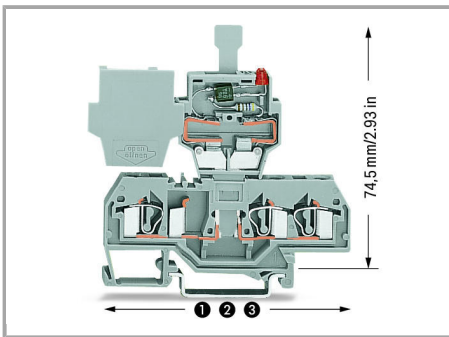
### CAE data

WSCAD Universe 281-512/281-418

[URL](#)

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## Installation Notes



**Length of carrier terminal blocks with a fuse plug:**

59 mm / 2.32 inch for 281-916

73.5 mm / 2.89 inch for 281-610

86 mm / 3.39 inch for 281-656

## 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:

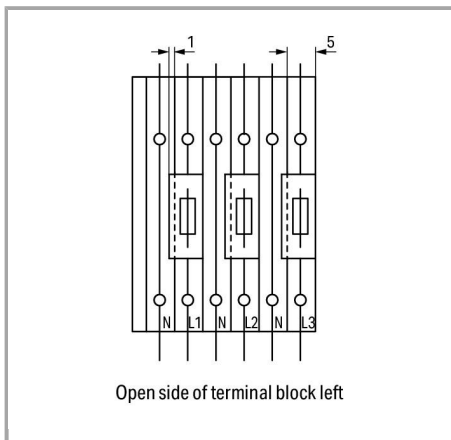
- No additional cost for assembly and wiring
- 
- No risk of accidental contact with live parts when disconnecting the fuse plug
- 
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- 
- The fuse plug can be removed by service 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
- 
- 

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

- 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
- 



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 5 mm wide carrier terminal blocks can be used with end plates, for example.

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