

## Data sheet | Item number: 280-471

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/280-471](http://www.wago.com/280-471)



### Data

#### Connection data

Strip length 8 ... 9 mm / 0.31 ... 0.35 inch

#### Material Data

Color light gray

Fire load 0.009 MJ

Weight 0.3 g

#### Commercial data

Product Group 1 (Rail Mounted Terminal Blocks)

Packaging type BOX

Country of origin DE

GTIN 4017332267311

Customs Tariff No. 39269097900

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.

## Counterpart

## Compatible products

### Jumper



Item no.: 210-103

Wire commoning chain; insulated; 50 connections; black

[www.wago.com/210-103](http://www.wago.com/210-103)

### N-busbar



Item no.: 210-133

Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm

[www.wago.com/210-133](http://www.wago.com/210-133)

## Downloads

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf  
2.1 MB

[Download](#)

## CAD/CAE-Data

### CAD data

2D/3D Models 280-471

[URL](#)

[Download](#)

### CAE data

WSCAD Universe 280-471

[URL](#)

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## Installation Notes

### Assembly

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

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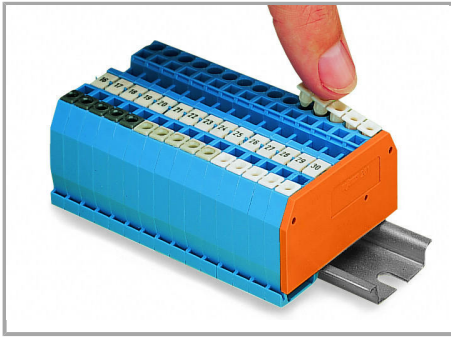
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The wiring of programmable logic controllers and microprocessor-operated control circuits often relies on very small, fine-stranded conductors. These conductors are highly flexible and deform when pushed against the conductor stop in terminal blocks. As a result, the conductor insulation – not the copper conductor – may be clamped, causing intermittent contact or no contact at all. Common to all terminal block types currently offered, this problem creates unnecessary downtime for troubleshooting.

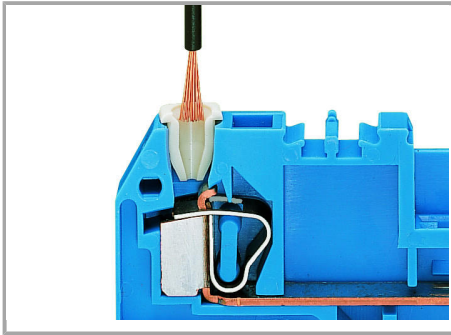
The solution: an insulation stop for rail-mount terminal blocks. Insulation stops automatically bundle the cores of fine-stranded conductors when inserted into the clamping unit, preventing splaying. This also limits the conductor entry to a defined cross sectional area – ensuring the actual conductor, not the insulation, will enter the clamping unit.

Insulation stops are available as dividable 5-pole strips for 279, 280/780/870/880 and 281/781 Series Rail-Mount Terminal Blocks.

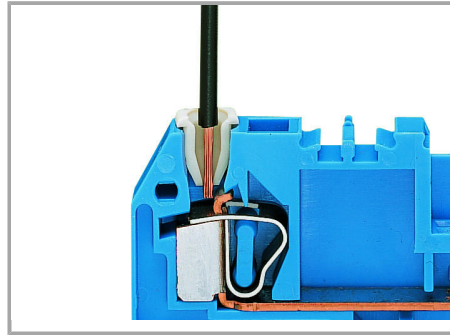
Insulation stop usage will not affect the conductor strip lengths for the aforementioned rail-mount terminal blocks.

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

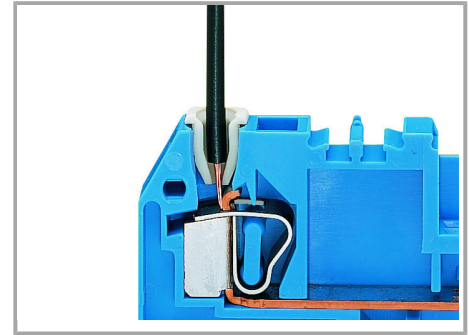
### Inserting a conductor



Insert stripped, untwisted conductor into insulation stop.



The conductor is bundled.



The conductor insulation is prevented from being pushed into the clamping unit by the positive stop.

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