

## Data sheet | Item number: 281-472

Insulation stop; 0.75 - 1.5 mm<sup>2</sup>; 5 pieces/strip; dark gray

[www.wago.com/281-472](http://www.wago.com/281-472)



### Data

#### Connection data

Strip length	9 ... 10 mm / 0.35 ... 0.39 inch
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#### Material data

Color	dark gray
Fire load	0.025 MJ
Weight	0.4 g

#### Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	200 (25) Stück
Packaging type	box
Country of origin	DE
GTIN	4017332267359
Customs tariff number	39269097900

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

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## Downloads Documentation

### Bid Text

281-472 doc - Datei	Apr 28, 2017	doc 24.1 kB	Download
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281-472 X81 - Datei	Feb 19, 2019	xml 2.6 kB	Download
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### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 281-472		URL	Download
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### CAE data

ZUKEN Portal 281-472		URL	Download
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WSCAD Universe 281-472		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 281-472 Insulation stop; 0.75 - 1.5 mm <sup>2</sup> ; 5 pieces/strip; dark gray		URL	Download
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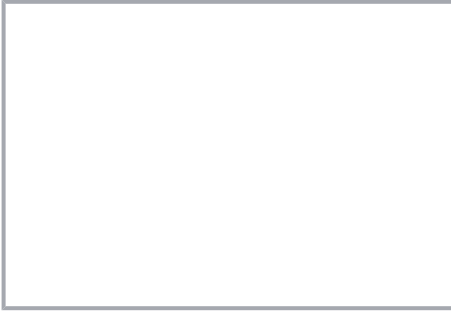
## Installation Notes

### Installation

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The problem: Wiring 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.

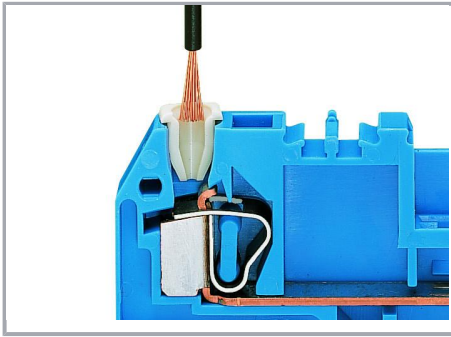
The solution: An insulation stop for rail-mount terminal blocks. Insulation stops automatically bundle the cores of fine-stranded conductors when inserted into the clamping unit, preventing splaying. This also limits the conductor entry to a defined cross sectional area – ensuring the actual conductor, 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.

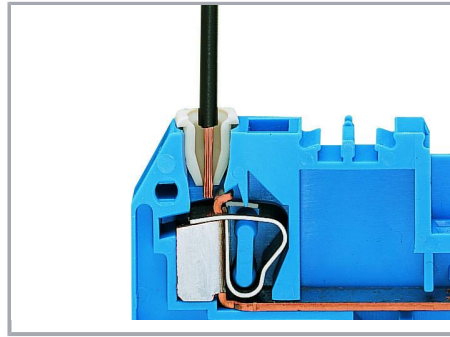
Insulation stop usage will not affect the conductor strip lengths for the aforementioned rail-mount terminal blocks.

#### Conductor termination

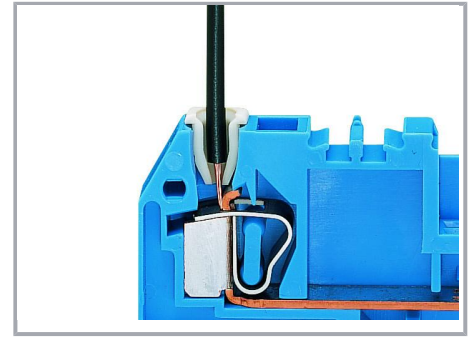
Subject to changes. Please also observe the further product documentation!



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!