

**Data sheet | Item number: 281-470**

Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white

[www.wago.com/281-470](http://www.wago.com/281-470)



**Data**

**Connection data**

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

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## Connection 1

Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
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## Material Data

Note (material data)

Information on material specifications can be found here

Color	white
Fire load	0.025 MJ
Weight	0.8 g

## Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
eCl@ss 10.0	27-14-11-92
eCl@ss 9.0	27-14-11-92
ETIM 8.0	EC002848
ETIM 7.0	EC002848
PU (SPU)	200 (25) pcs
Packaging type	box
Country of origin	DE
GTIN	4017332267335
Customs tariff number	39269097900

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Downloads

### Documentation

#### Bid Text

281-470 X81 - Datei	2019 年2月19 日	xml 2.6 kB	Download
281-470 doc - Datei	2017 年4月28 日	doc 24.1 kB	Download

## Additional Information

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

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## CAD/CAE-Data

### CAD data

2D/3D Models 281-470	URL	Download
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### CAE data

WSCAD Universe 281-470	URL	Download
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ZUKEN Portal 281-470	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 281-470 Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip; white	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

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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!