## Data sheet | Item number: 280-472

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip





# Data Connection data

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

#### **Material Data**

Fire load	LM 800.0
Weight	0.3 g

### Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	DE
GTIN	4017332267328
Customs tariff number	39269097900

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$ 

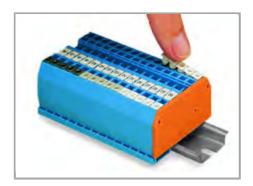
Data sheet | Item number: 280-472



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





The wiring of programmable logic controllers and microprocessor-operated control circuits often relies on very small, finestranded 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 5pole 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.

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$ 



#### Conductor termination



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.

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$