

# Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder, for Miniature Metric Fuses, 281 Series

## Blown fuse indication

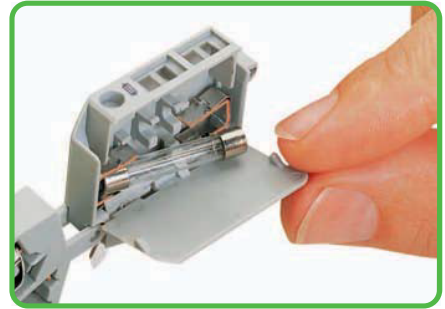


Blown fuse indication by LED or neon lamp.

## Fuse replacement

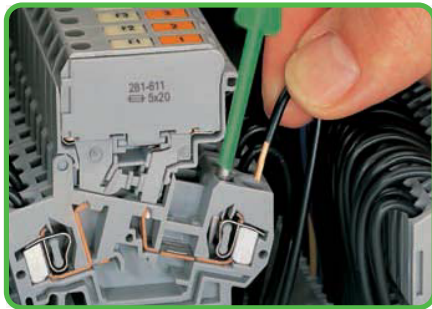


Before replacing the fuse, pivot the fuse holder in the locked open position.



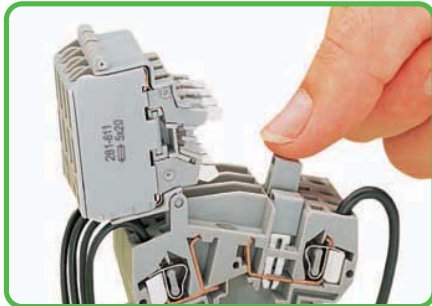
One end of the fuse is automatically ejected from the holder when opening the cover.

## CAGE CLAMP® connection

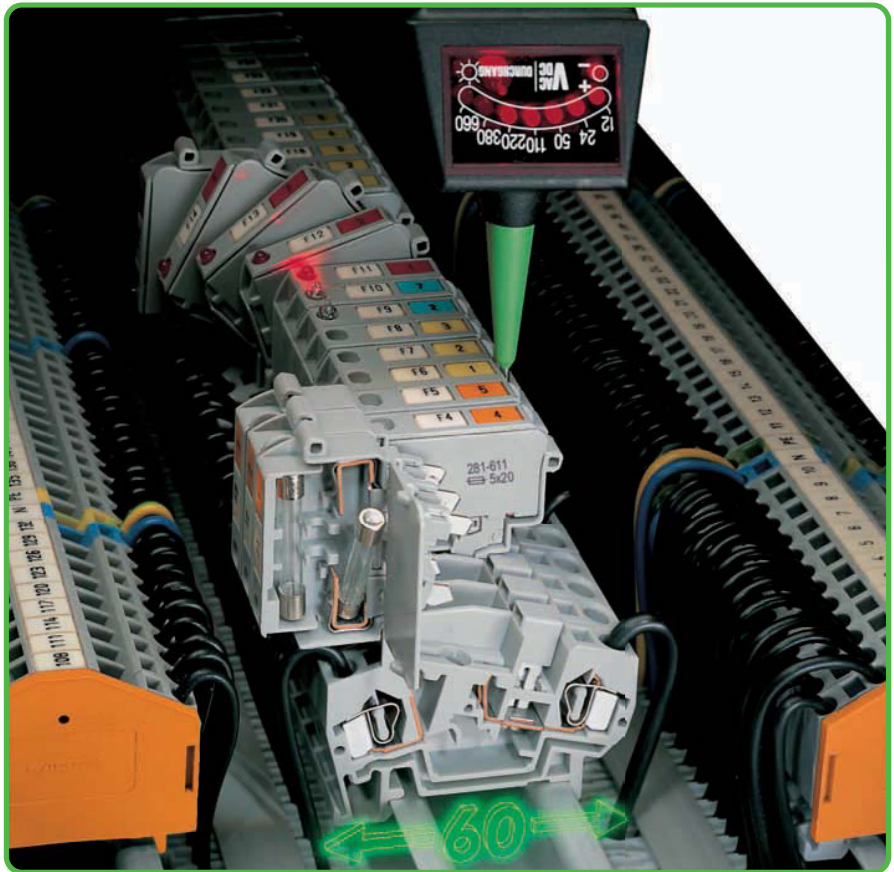


Conductor termination

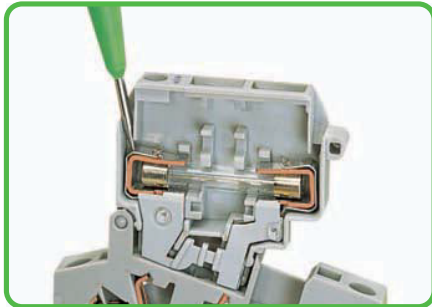
## Commoning



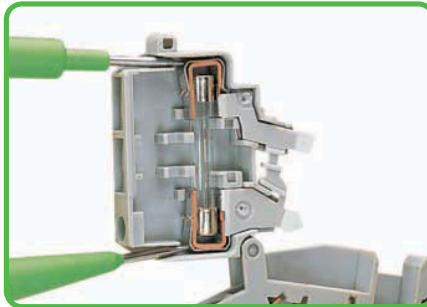
Distribution of current to several fuse-protected circuits via insulated touchproof jumpers.



## Testing



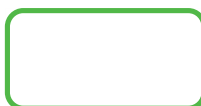
Voltage test, either at input or output with fuse holder in closed position (live).



Through test with fuse holder in open position (no voltage).

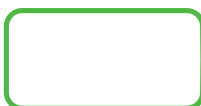


Voltage test at input in the test slot of the current bar.

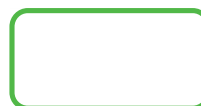


**CAGE CLAMP®** clamps the following copper conductors:\*

solid



stranded



fine-stranded, also with tinned single strands

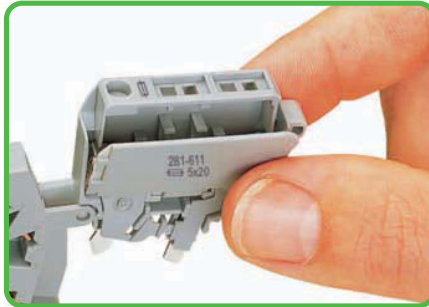
\* For aluminum conductors, see notes in Section 14.

## - Description and Handling -

### Fuse replacement (continued)

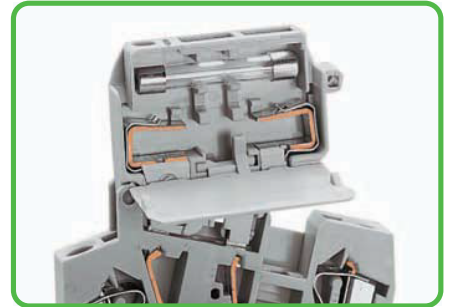


The fuse can be easily removed by hand.

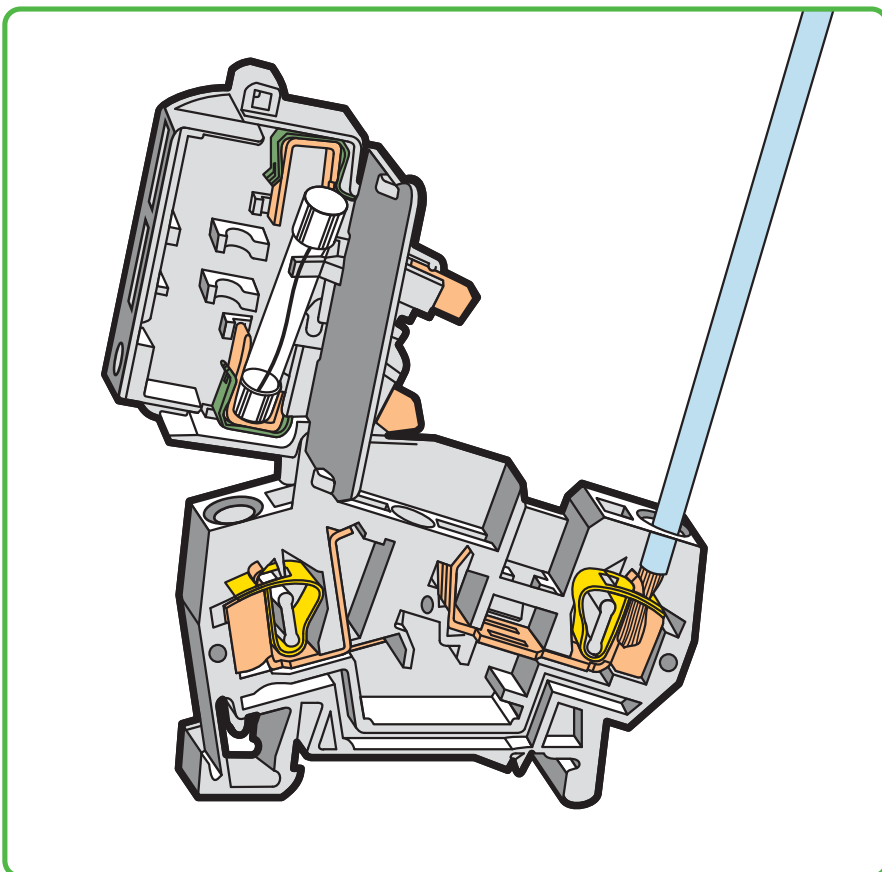


Insert new fuse snap the cover closed.

### Spare fuse



Storage of spare fuse (fuse holder without blown fuse indication).



### Touchproof protection



"Touchproof" protection in all positions of the fuse holder.

### Locked position

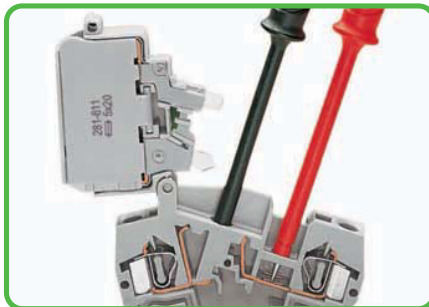


Fuse holder will remain safely locked open in vertical assemblies.

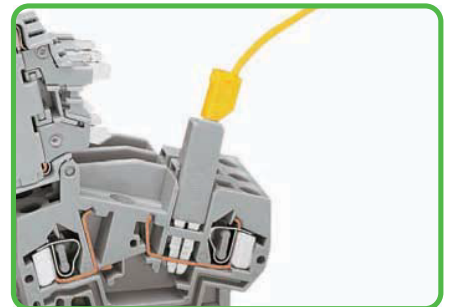
### Testing (continued)



Testing voltage at the output via separate test slot.



Current measuring between jumper slot and separate test slot.



Voltage testing at input via 280-404 test plug adapter (shown) or 281-407 test plug.



fine-stranded,  
tip-bonded



fine-stranded,  
with ferrule ①  
(gastight crimped)

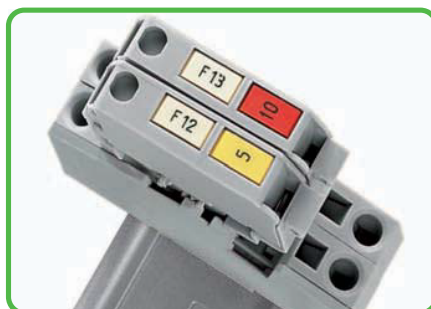


fine-stranded,  
with pin terminal  
(gastight crimped)

① When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.



A spacer is standard equipment for 10 mm/0.394 in wide fuse terminal blocks. At the end of an assembly, or if there is **no** adjacent fuse terminal block, an end or intermediate plate must be used.



Two marker slots each per fuse holder are available for individual WMB Multi marking. (example: 8 mm/0.315 in terminal blocks).













Ganging several fuse holders with a connecting strip (example: 8 mm/0.315 in terminal blocks).

- ❶ 800 V = rated voltage  
8 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
- ❷ Electrical ratings are given by the fuse  
(also see pages 234 – 235).
- ❸ Strip length, see packaging or instructions.







### 281 Series Accessories

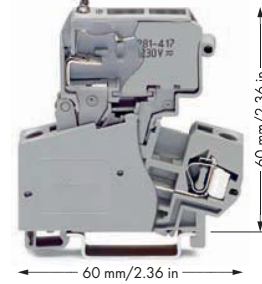
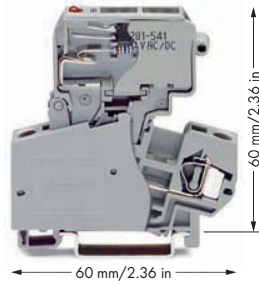
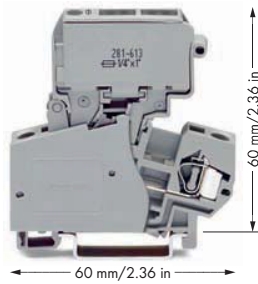
Appropriate marking system:  
WMB (see Section 13)

End and intermediate plate, 2.5 mm thick			
	orange	<b>281-309</b>	100 (4x25)
	gray	<b>281-311</b>	100 (4x25)
Adjacent jumper, insulated, $I_N = I_N$ terminal block			
	gray	<b>281-402</b>	200 (8x25)
Collective carrier for adjacent jumpers			
	gray	<b>209-100</b>	50 (2x25)
Test plug adapter, 5 mm wide, for terminal blocks 1.5 - 4 mm <sup>2</sup> , for 210-137 test plug 2.3 mm Ø			
	gray	<b>280-404</b>	100 (4x25)
Test plug,			
	with 500 mm cable, 2.3 mm Ø yellow	<b>210-137</b>	50
Test plug adapter, 6 mm wide, with CAGE CLAMP®, for 0.08 - 2.5 mm <sup>2</sup> $I_N$ 24 A			
		<b>281-407</b>	100 (4x25)
Push-in type wire jumper, insulated, $I_N$ 9 A, wire size 0.75 mm <sup>2</sup>			
	L = 60 mm	<b>249-125</b>	10
	L = 110 mm	<b>249-126</b>	10
	L = 250 mm	<b>249-127</b>	10
Interlocking link, mechanically locks multiple links, 1 m/3'3" long			
	transparent	<b>210-254</b>	1
Screwless end stop, for DIN 35 rail, 6 mm wide			
	gray	<b>249-116</b>	100 (4x25)
Screwless end stop, for DIN 35 rail, 10 mm wide			
	gray	<b>249-117</b>	50 (2x25)

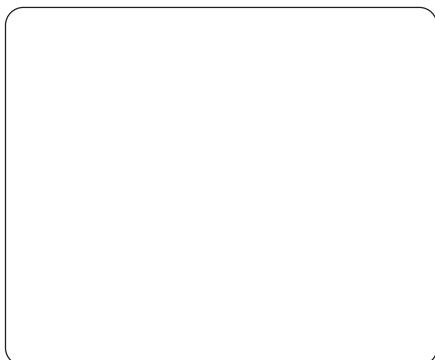
# Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder 4 mm<sup>2</sup> for Miniature Metric Fuses 1/4" x 1" mm and 1/4" x 1 1/4" mm

## 281 Series

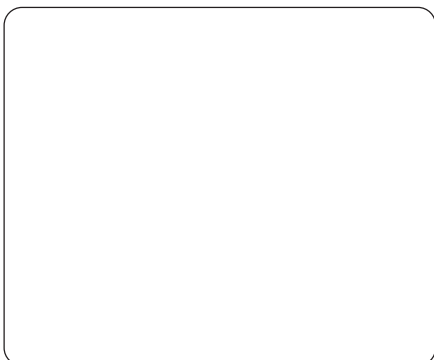
<p>0.08 - 4 mm<sup>2</sup> 800 V/8 kV/3 ① ② I<sub>N</sub> 10 A (6.3 A)</p> <p>Terminal block width 10 mm / 0.394 in 9 - 10 mm / 0.37 in ③</p>	<p>AWG 28 - 12 600 V, 10 A  600 V, 10 A </p>	<p>0.08 - 4 mm<sup>2</sup> 800 V/8 kV/3 ① ② I<sub>N</sub> 10 A (6.3 A)</p> <p>Terminal block width 10 mm / 0.394 in 9 - 10 mm / 0.37 in ③</p>	<p>AWG 28 - 12 30 V, 10 A  30 V, 10 A </p>	<p>0.08 - 4 mm<sup>2</sup> 800 V/8 kV/3 ① ② I<sub>N</sub> 10 A (6.3 A)</p> <p>Terminal block width 10 mm / 0.394 in 9 - 10 mm / 0.37 in ③</p>	<p>AWG 28 - 12 220 V, 10 A  100 V, 10 A </p>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Fuse disconnect terminal block with pivoting fuse holder,</b> for miniature fuses 1/4" x 1", without blown fuse indication, Nominal voltage and current are given by the fuse.		<b>Fuse disconnect terminal block with pivoting fuse holder,</b> for miniature fuses 1/4" x 1", with blown fuse indication by LED, gray Nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: LED 6mA		<b>Fuse disconnect terminal block with pivoting fuse holder,</b> for miniature fuses 1/4" x 1", with blown fuse indication by neon lamp, gray Nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: Neon lamp < 0.4mA	
● gray	<b>281-613</b> 50	● 15 - 30 V	<b>281-613/281-541</b> 50	● 230 V	<b>281-613/281-417</b> 50
		● 30 - 65 V	<b>281-613/281-542</b> 50	● 120 V	<b>281-613/281-418</b> 50
<b>Fuse disconnect terminal block with pivoting fuse holder,</b> for miniature fuses 1/4" x 1 1/4", without blown fuse indication, Nominal voltage and current are given by the fuse.		<b>Fuse disconnect terminal block with pivoting fuse holder,</b> for miniature fuses 1/4" x 1 1/4", with blown fuse indication by LED, gray Nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: LED 6mA		<b>Fuse disconnect terminal block with pivoting fuse holder,</b> for miniature fuses 1/4" x 1 1/4", with blown fuse indication by neon lamp, gray Nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: Neon lamp < 0.4mA	
● gray	<b>281-623</b> 50	● 15 - 30 V	<b>281-623/281-541</b> 50	● 230 V	<b>281-623/281-417</b> 50
		● 30 - 65 V	<b>281-623/281-542</b> 50	● 120 V	<b>281-623/281-418</b> 50
Miniature metric fuse on request		Miniature metric fuse on request		Miniature metric fuse on request	



Dimensions in mm



Dimensions in mm



Dimensions in mm