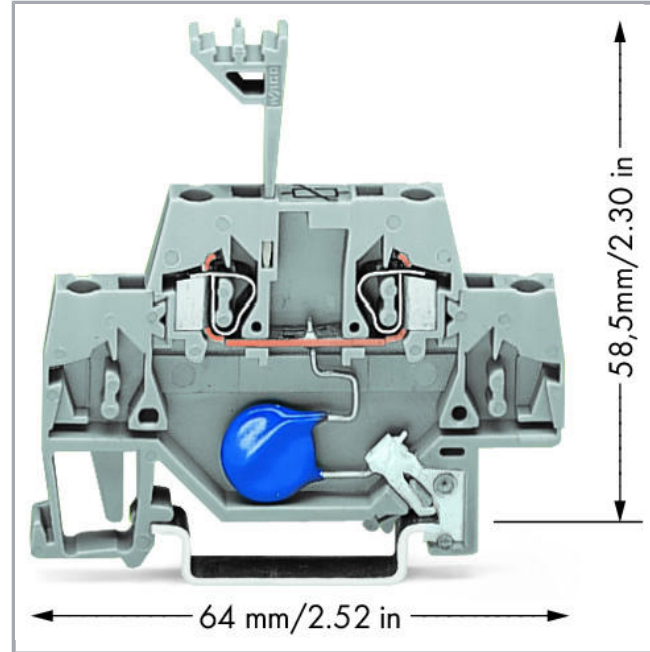
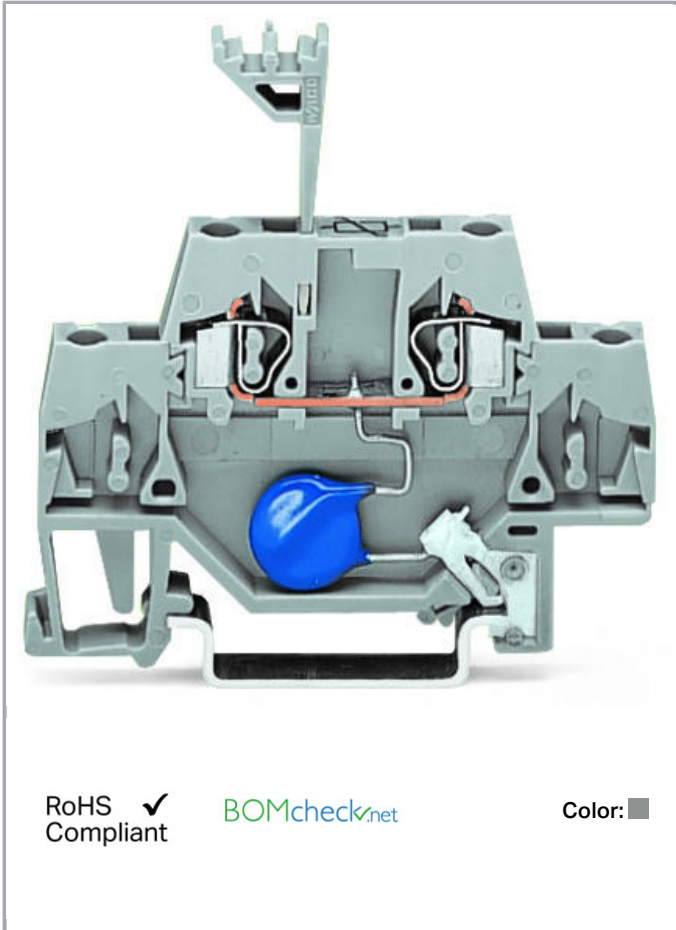


Data sheet | Item number: 280-502/281-610

Component terminal block; double-deck; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



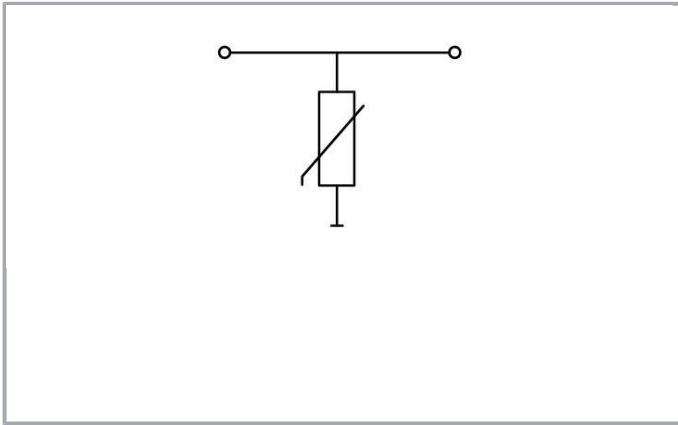
[www.wago.com/280-502/281-610](http://www.wago.com/280-502/281-610)



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.



## Item description

### Short description:

Terminal blocks with surge suppression device and direct connection to the DIN-35 rail; these single-stage surge suppression devices are equipped either with 280 Series gas-filled surge arrester (coarse), varistor (medium) or suppressor diode (fine).

### Features:

- Protect your system against overvoltage
- Slim, space-saving design
- Control operational costs by preventing expensive, unplanned downtime
- High operational reliability and system uptime

## Data

### Electrical data

Nominal operating voltage	DC 48 V
Maximum continuous operating voltage	DC 65 V
Rated continuous current	20 A
Nominal discharge current (8/20 $\mu$ s) per line	300 A
Max. discharge current	1.2 kA
Voltage protection level (8/20 $\mu$ s)	$\leq$ DC 135 V
Capacitance	$\leq$ 500 pF

### Connection data

Connections (number)	2
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG

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

Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

### Geometrical Data

Width	5 mm / 0.197 inch
Height from upper-edge of DIN-35 rail	58.5 mm / 2.303 inch
Depth	64 mm / 2.52 inch

### Mechanical data

Design	With direct connection to DIN rail
Type of mounting	DIN-35 rail

### Material Data

Color	gray
Weight	8.5 g



### Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	DE
GTIN	4050821861171
Customs Tariff No.	85369010000

### Counterpart

### Compatible products

#### Insulation stop

	<b>Item no.: 280-470</b> Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip; white	<a href="http://www.wago.com/280-470">www.wago.com/280-470</a>
	<b>Item no.: 280-471</b> Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip; light gray	<a href="http://www.wago.com/280-471">www.wago.com/280-471</a>
	<b>Item no.: 280-472</b>	












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

[www.wago.com/280-472](http://www.wago.com/280-472)

**Marking accessories**

	<p><b>Item no.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a></p>
	<p><b>Item no.: 2009-115/000-002</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p>	<p><a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a></p>
	<p><b>Item no.: 2009-115/000-006</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a></p>
	<p><b>Item no.: 2009-115/000-007</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>	<p><a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a></p>
	<p><b>Item no.: 2009-115/000-012</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a></p>
	<p><b>Item no.: 2009-115/000-017</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a></p>
	<p><b>Item no.: 2009-115/000-023</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>	<p><a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a></p>
	<p><b>Item no.: 2009-115/000-024</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a></p>
	<p><b>Item no.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/793-501">www.wago.com/793-501</a></p>
	<p><b>Item no.: 793-501/000-002</b> WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p>	<p><a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a></p>
	<p><b>Item no.: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red</p>	<p><a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a></p>
	<p><b>Item no.: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>	<p><a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a></p>
	<p><b>Item no.: 793-501/000-007</b> WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p><a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a></p>

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



**Item no.: 793-501/000-012**  
WMB marking card; as card; not stretchable; plain; snap-on type; orange

[www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)



**Item no.: 793-501/000-017**  
WMB marking card; as card; not stretchable; plain; snap-on type; light green

[www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)



**Item no.: 793-501/000-023**  
WMB marking card; as card; not stretchable; plain; snap-on type; green

[www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)



**Item no.: 793-501/000-024**  
WMB marking card; as card; not stretchable; plain; snap-on type; violet

[www.wago.com/793-501/000-024](http://www.wago.com/793-501/000-024)



**Item no.: 793-502**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-502](http://www.wago.com/793-502)



**Item no.: 793-502/000-002**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; yellow

[www.wago.com/793-502/000-002](http://www.wago.com/793-502/000-002)



**Item no.: 793-502/000-005**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; red

[www.wago.com/793-502/000-005](http://www.wago.com/793-502/000-005)



**Item no.: 793-502/000-006**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; blue

[www.wago.com/793-502/000-006](http://www.wago.com/793-502/000-006)



**Item no.: 793-502/000-007**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; gray

[www.wago.com/793-502/000-007](http://www.wago.com/793-502/000-007)



**Item no.: 793-502/000-012**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; orange

[www.wago.com/793-502/000-012](http://www.wago.com/793-502/000-012)



**Item no.: 793-502/000-017**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; light green

[www.wago.com/793-502/000-017](http://www.wago.com/793-502/000-017)



**Item no.: 793-502/000-023**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; green

[www.wago.com/793-502/000-023](http://www.wago.com/793-502/000-023)



**Item no.: 793-502/000-024**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; violet

[www.wago.com/793-502/000-024](http://www.wago.com/793-502/000-024)

**Item no.: 793-503**  
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; [www.wago.com/793-503](http://www.wago.com/793-503)

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



white



**Item no.: 793-503/000-002**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; yellow

[www.wago.com/793-503/000-002](http://www.wago.com/793-503/000-002)



**Item no.: 793-503/000-005**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; red

[www.wago.com/793-503/000-005](http://www.wago.com/793-503/000-005)



**Item no.: 793-503/000-006**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; blue

[www.wago.com/793-503/000-006](http://www.wago.com/793-503/000-006)



**Item no.: 793-503/000-007**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; gray

[www.wago.com/793-503/000-007](http://www.wago.com/793-503/000-007)



**Item no.: 793-503/000-012**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; orange

[www.wago.com/793-503/000-012](http://www.wago.com/793-503/000-012)



**Item no.: 793-503/000-017**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; light green

[www.wago.com/793-503/000-017](http://www.wago.com/793-503/000-017)



**Item no.: 793-503/000-023**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; green

[www.wago.com/793-503/000-023](http://www.wago.com/793-503/000-023)



**Item no.: 793-503/000-024**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; violet

[www.wago.com/793-503/000-024](http://www.wago.com/793-503/000-024)



**Item no.: 793-504**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-504](http://www.wago.com/793-504)



**Item no.: 793-504/000-002**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; yellow

[www.wago.com/793-504/000-002](http://www.wago.com/793-504/000-002)



**Item no.: 793-504/000-005**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; red

[www.wago.com/793-504/000-005](http://www.wago.com/793-504/000-005)



**Item no.: 793-504/000-006**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; blue

[www.wago.com/793-504/000-006](http://www.wago.com/793-504/000-006)



**Item no.: 793-504/000-012**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; orange

[www.wago.com/793-504/000-012](http://www.wago.com/793-504/000-012)

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








	<b>Item no.: 793-504/000-017</b> WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; light green	<a href="http://www.wago.com/793-504/000-017">www.wago.com/793-504/000-017</a>
	<b>Item no.: 793-504/000-023</b> WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; green	<a href="http://www.wago.com/793-504/000-023">www.wago.com/793-504/000-023</a>
	<b>Item no.: 793-505</b> WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-505">www.wago.com/793-505</a>
	<b>Item no.: 793-505/000-005</b> WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; red	<a href="http://www.wago.com/793-505/000-005">www.wago.com/793-505/000-005</a>
	<b>Item no.: 793-505/000-006</b> WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; blue	<a href="http://www.wago.com/793-505/000-006">www.wago.com/793-505/000-006</a>
	<b>Item no.: 793-505/000-007</b> WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; gray	<a href="http://www.wago.com/793-505/000-007">www.wago.com/793-505/000-007</a>
	<b>Item no.: 793-505/000-012</b> WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; orange	<a href="http://www.wago.com/793-505/000-012">www.wago.com/793-505/000-012</a>
	<b>Item no.: 793-506</b> WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-506">www.wago.com/793-506</a>
	<b>Item no.: 793-506/000-005</b> WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; red	<a href="http://www.wago.com/793-506/000-005">www.wago.com/793-506/000-005</a>
	<b>Item no.: 793-506/000-006</b> WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; blue	<a href="http://www.wago.com/793-506/000-006">www.wago.com/793-506/000-006</a>
	<b>Item no.: 793-506/000-012</b> WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; orange	<a href="http://www.wago.com/793-506/000-012">www.wago.com/793-506/000-012</a>
	<b>Item no.: 793-506/000-017</b> WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; light green	<a href="http://www.wago.com/793-506/000-017">www.wago.com/793-506/000-017</a>

**tools**

<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
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**Jumper**

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

	<b>Item no.: 280-482</b> Comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray	<a href="http://www.wago.com/280-482">www.wago.com/280-482</a>
	<b>Item no.: 280-483</b> Comb-style jumper bar; insulated; 3-way; IN = IN terminal block; gray	<a href="http://www.wago.com/280-483">www.wago.com/280-483</a>
	<b>Item no.: 280-484</b> Comb-style jumper bar; insulated; 4-way; IN = IN terminal block; gray	<a href="http://www.wago.com/280-484">www.wago.com/280-484</a>
	<b>Item no.: 280-485</b> Comb-style jumper bar; insulated; 5-way; IN = IN terminal block; gray	<a href="http://www.wago.com/280-485">www.wago.com/280-485</a>
	<b>Item no.: 280-490</b> Comb-style jumper bar; insulated; 10-way; IN = IN terminal block; gray	<a href="http://www.wago.com/280-490">www.wago.com/280-490</a>
	<b>Item no.: 280-492</b> Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray	<a href="http://www.wago.com/280-492">www.wago.com/280-492</a>
<b>End plate</b>		
	<b>Item no.: 280-340</b> End and intermediate plate; 2.5 mm thick; gray	<a href="http://www.wago.com/280-340">www.wago.com/280-340</a>
	<b>Item no.: 280-341</b> End and intermediate plate; 2.5 mm thick; orange	<a href="http://www.wago.com/280-341">www.wago.com/280-341</a>

## Downloads

### Documentation

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 280-502/281-610	URL	Download
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### CAE data

EPLAN Data Portal 280-502/281-610	URL	Download
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WSCAD Universe 280-502/281-610	URL	Download
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## Installation Notes

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

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