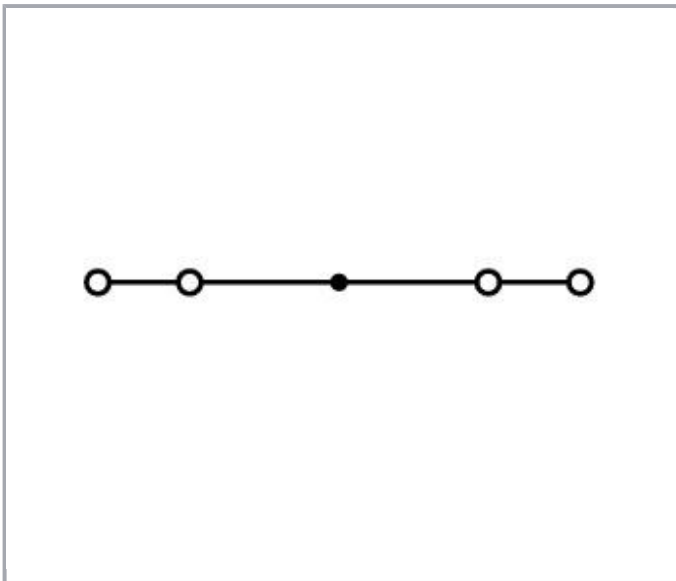
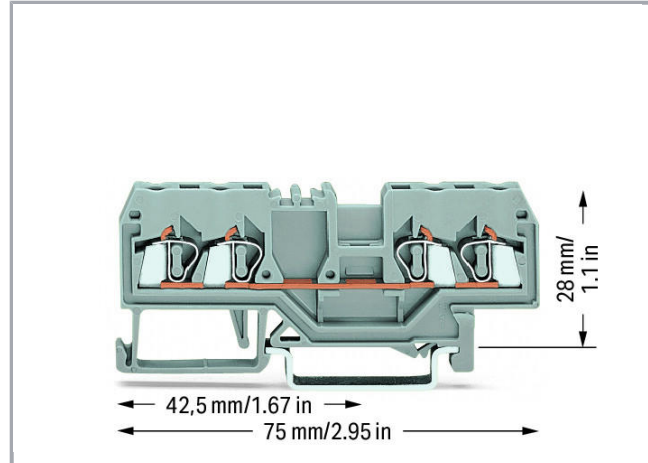
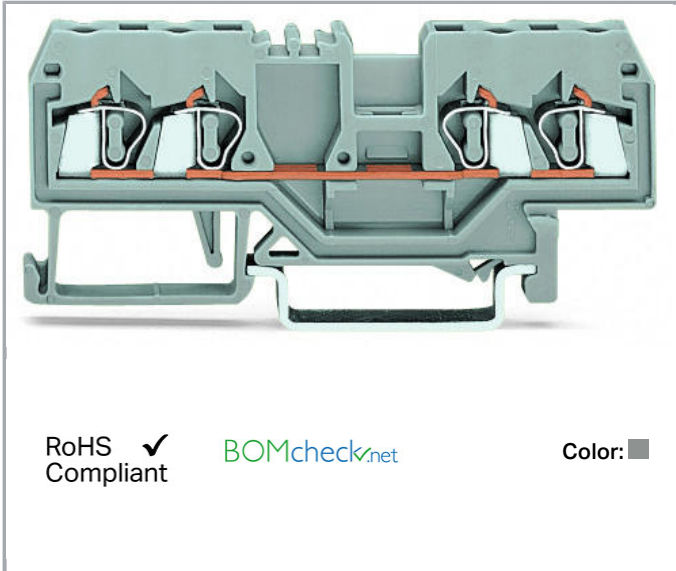


**Data sheet | Item number: 280-833**

4-conductor through terminal block; 2.5 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



[www.wago.com/280-833](http://www.wago.com/280-833)



**Item description**

**Note:**

**Terminating Aluminum Conductors**

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm<sup>2</sup>/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

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

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We are always happy to take your call at +49 (571) 887-44222.



"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::

2.5 mm<sup>2</sup> = 16 A

4 mm<sup>2</sup> = 22 A

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	800 V
Rated surge voltage (III/3)	8 kV
Rated current	20 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

### Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper Aluminum
Solid conductor	0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Total number of connection points	4
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring

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Note (conductor cross-section)

12 AWG: THHN, THWN

## Geometrical Data

Width	5 mm / 0.197 inch
Height from upper-edge of DIN-rail	28 mm / 1.102 inch
Depth	75 mm / 2.953 inch

## Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center marking

## Material Data



Color	gray
Insulation material	Polyamide 66 (PA 66)
Fire load	0.147 MJ
Weight	9.2 g

## Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	DE
GTIN	4044918311328
Customs tariff number	85369010000





## Approvals / Certificates

### Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	2157201.01
	CSA DEKRA Certification B.V.	C22.2	1536071

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

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	<b>BV</b> Bureau Veritas S.A.	EN 60947	07436/E0 BV
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	<b>LR</b> Lloyds Register	EN 60947	91/20112 (E9)

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> Underwriters Laboratories Inc.	UL 1059	20170731- E45172

## Counterpart















## Compatible products

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















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## Marking accessories

	<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	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
	<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	<a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a>
	<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; blue	<a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a>
	<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	<a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a>
	<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; orange	<a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a>
	<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; light green	<a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a>
	<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	<a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a>
	<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; violet	<a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a>
	<b>Item no.: 209-128</b> Adaptor; gray	<a href="http://www.wago.com/209-128">www.wago.com/209-128</a>
	<b>Item no.: 209-140</b> Group marker carrier; gray	<a href="http://www.wago.com/209-140">www.wago.com/209-140</a>
	<b>Item no.: 209-141</b> Group marker carrier; gray	<a href="http://www.wago.com/209-141">www.wago.com/209-141</a>
	<b>Item no.: 209-142</b> Group marker carrier; gray	<a href="http://www.wago.com/209-142">www.wago.com/209-142</a>
	<b>Item no.: 209-185</b> Adaptor; gray	<a href="http://www.wago.com/209-185">www.wago.com/209-185</a>
	<b>Item no.: 249-105</b> Group marker carrier; gray	<a href="http://www.wago.com/249-105">www.wago.com/249-105</a>
	<b>Item no.: 793-501</b>	

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

	WMB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
	<b>Item no.: 793-501/000-002</b> WMB marking card; as card; not stretchable; plain; snap-on type; yellow	<a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>
	<b>Item no.: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red	<a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>
	<b>Item no.: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue	<a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>
	<b>Item no.: 793-501/000-007</b> WMB marking card; as card; not stretchable; plain; snap-on type; gray	<a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>
	<b>Item no.: 793-501/000-012</b> WMB marking card; as card; not stretchable; plain; snap-on type; orange	<a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>
	<b>Item no.: 793-501/000-017</b> WMB marking card; as card; not stretchable; plain; snap-on type; light green	<a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>
	<b>Item no.: 793-501/000-023</b> WMB marking card; as card; not stretchable; plain; snap-on type; green	<a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>
	<b>Item no.: 793-501/000-024</b> WMB marking card; as card; not stretchable; plain; snap-on type; violet	<a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>
	<b>Item no.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>
	<b>Item no.: 793-5501/000-002</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a>
	<b>Item no.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a>
	<b>Item no.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a>
	<b>Item no.: 793-5501/000-007</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a>

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

**Item no.: 793-5501/000-012**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)**Item no.: 793-5501/000-017**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)**Item no.: 793-5501/000-023**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)**Item no.: 793-5501/000-024**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)**check****Item no.: 209-170**Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm<sup>2</sup> - 10 mm<sup>2</sup> tbs; gray[www.wago.com/209-170](http://www.wago.com/209-170)**Item no.: 249-106**B-type test plug module; modular; 1,50 mm<sup>2</sup>; gray[www.wago.com/249-106](http://www.wago.com/249-106)**Item no.: 249-107**

B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/249-107](http://www.wago.com/249-107)**Item no.: 249-141**L-type test plug module; modular; with spring-loaded contact pin; Center module; 1,50 mm<sup>2</sup>; gray[www.wago.com/249-141](http://www.wago.com/249-141)**Item no.: 280-404**Test plug adapter; 5 mm wide; for test plug 210-137 (2.3 mm Ø); suitable for 1.5 mm<sup>2</sup> - 4 mm<sup>2</sup> tbs; gray[www.wago.com/280-404](http://www.wago.com/280-404)**Item no.: 280-418**

Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar; gray

[www.wago.com/280-418](http://www.wago.com/280-418)**Item no.: 280-419**

Spacer module; modular; bridging commoned terminal blocks; gray

[www.wago.com/280-419](http://www.wago.com/280-419)**End plate****Item no.: 280-334**

Separator plate; 2 mm thick; oversized; gray

[www.wago.com/280-334](http://www.wago.com/280-334)**Item no.: 280-335**

Separator plate; 2 mm thick; oversized; orange

[www.wago.com/280-335](http://www.wago.com/280-335)**Item no.: 280-353**

Separator plate; 2 mm thick; oversized; light gray

[www.wago.com/280-353](http://www.wago.com/280-353)**Item no.: 284-336**

Step-down cover plate; 1 mm thick; for 4-conductor 279-831, 280-833 and 281-652 terminal blocks; gray

[www.wago.com/284-336](http://www.wago.com/284-336)**Item no.: 284-346**

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

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Step-down cover plate; 1 mm thick; for 4-conductor 279-831, 280-833 and 281-652 terminal blocks; [www.wago.com/284-346](http://www.wago.com/284-346)  
orange

#### tools



**Item no.: 210-657**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short

[www.wago.com/210-657](http://www.wago.com/210-657)



**Item no.: 210-658**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-658](http://www.wago.com/210-658)



**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft

[www.wago.com/210-720](http://www.wago.com/210-720)

#### Carrier rail



**Item no.: 210-112**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

[www.wago.com/210-112](http://www.wago.com/210-112)



**Item no.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

[www.wago.com/210-113](http://www.wago.com/210-113)



**Item no.: 210-114**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

[www.wago.com/210-114](http://www.wago.com/210-114)



**Item no.: 210-115**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

[www.wago.com/210-115](http://www.wago.com/210-115)



**Item no.: 210-118**

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

[www.wago.com/210-118](http://www.wago.com/210-118)



**Item no.: 210-196**

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

[www.wago.com/210-196](http://www.wago.com/210-196)



**Item no.: 210-197**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

[www.wago.com/210-197](http://www.wago.com/210-197)



**Item no.: 210-198**

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

[www.wago.com/210-198](http://www.wago.com/210-198)



**Item no.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715

[www.wago.com/210-504](http://www.wago.com/210-504)



**Item no.: 210-505**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715

[www.wago.com/210-505](http://www.wago.com/210-505)



**Item no.: 210-506**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715

[www.wago.com/210-506](http://www.wago.com/210-506)



**Item no.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715

[www.wago.com/210-508](http://www.wago.com/210-508)

#### Female plug

**Item no.: 232-132/005-000**

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

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	Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 2-pole; gray	<a href="http://www.wago.com/232-132/005-000">www.wago.com/232-132/005-000</a>
	<b>Item no.: 232-132/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 2-pole; gray	<a href="http://www.wago.com/232-132/005-000/039-000">www.wago.com/232-132/005-000/039-000</a>
	<b>Item no.: 232-133/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 3-pole; gray	<a href="http://www.wago.com/232-133/005-000">www.wago.com/232-133/005-000</a>
	<b>Item no.: 232-133/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 3-pole; gray	<a href="http://www.wago.com/232-133/005-000/039-000">www.wago.com/232-133/005-000/039-000</a>
	<b>Item no.: 232-134/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 4-pole; gray	<a href="http://www.wago.com/232-134/005-000">www.wago.com/232-134/005-000</a>
	<b>Item no.: 232-134/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 4-pole; gray	<a href="http://www.wago.com/232-134/005-000/039-000">www.wago.com/232-134/005-000/039-000</a>
	<b>Item no.: 232-135/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 5-pole; gray	<a href="http://www.wago.com/232-135/005-000">www.wago.com/232-135/005-000</a>
	<b>Item no.: 232-135/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 5-pole; gray	<a href="http://www.wago.com/232-135/005-000/039-000">www.wago.com/232-135/005-000/039-000</a>
	<b>Item no.: 232-136/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 6-pole; gray	<a href="http://www.wago.com/232-136/005-000">www.wago.com/232-136/005-000</a>
	<b>Item no.: 232-136/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 6-pole; gray	<a href="http://www.wago.com/232-136/005-000/039-000">www.wago.com/232-136/005-000/039-000</a>
	<b>Item no.: 232-137/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 7-pole; gray	<a href="http://www.wago.com/232-137/005-000">www.wago.com/232-137/005-000</a>
	<b>Item no.: 232-137/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 7-pole; gray	<a href="http://www.wago.com/232-137/005-000/039-000">www.wago.com/232-137/005-000/039-000</a>
	<b>Item no.: 232-138/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 8-pole; gray	<a href="http://www.wago.com/232-138/005-000">www.wago.com/232-138/005-000</a>

**Item no.: 232-138/005-000/039-000**

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

	Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 8-pole; gray	<a href="http://www.wago.com/232-138/005-000/039-000">www.wago.com/232-138/005-000/039-000</a>
	<b>Item no.: 232-139/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 9-pole; gray	<a href="http://www.wago.com/232-139/005-000">www.wago.com/232-139/005-000</a>
	<b>Item no.: 232-139/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 9-pole; gray	<a href="http://www.wago.com/232-139/005-000/039-000">www.wago.com/232-139/005-000/039-000</a>
	<b>Item no.: 232-140/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 10-pole; gray	<a href="http://www.wago.com/232-140/005-000">www.wago.com/232-140/005-000</a>
	<b>Item no.: 232-140/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 10-pole; gray	<a href="http://www.wago.com/232-140/005-000/039-000">www.wago.com/232-140/005-000/039-000</a>
	<b>Item no.: 232-142/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/232-142/005-000">www.wago.com/232-142/005-000</a>
	<b>Item no.: 232-142/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/232-142/005-000/039-000">www.wago.com/232-142/005-000/039-000</a>
	<b>Item no.: 232-146/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 16-pole; gray	<a href="http://www.wago.com/232-146/005-000">www.wago.com/232-146/005-000</a>
	<b>Item no.: 232-146/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 16-pole; gray	<a href="http://www.wago.com/232-146/005-000/039-000">www.wago.com/232-146/005-000/039-000</a>
	<b>Item no.: 232-147/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 17-pole; gray	<a href="http://www.wago.com/232-147/005-000/039-000">www.wago.com/232-147/005-000/039-000</a>
	<b>Item no.: 232-150/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 20-pole; gray	<a href="http://www.wago.com/232-150/005-000">www.wago.com/232-150/005-000</a>
	<b>Item no.: 232-150/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 20-pole; gray	<a href="http://www.wago.com/232-150/005-000/039-000">www.wago.com/232-150/005-000/039-000</a>
	<b>Item no.: 232-232/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 2-pole; gray	<a href="http://www.wago.com/232-232/005-000">www.wago.com/232-232/005-000</a>
	<b>Item no.: 232-232/005-000/039-000</b>	

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



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 2-pole; gray [www.wago.com/232-232/005-000/039-000](http://www.wago.com/232-232/005-000/039-000)



**Item no.: 232-233/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 3-pole; gray [www.wago.com/232-233/005-000](http://www.wago.com/232-233/005-000)



**Item no.: 232-233/005-000/039-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 3-pole; gray [www.wago.com/232-233/005-000/039-000](http://www.wago.com/232-233/005-000/039-000)



**Item no.: 232-234/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 4-pole; gray [www.wago.com/232-234/005-000](http://www.wago.com/232-234/005-000)



**Item no.: 232-234/005-000/039-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 4-pole; gray [www.wago.com/232-234/005-000/039-000](http://www.wago.com/232-234/005-000/039-000)



**Item no.: 232-235/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 5-pole; gray [www.wago.com/232-235/005-000](http://www.wago.com/232-235/005-000)



**Item no.: 232-235/005-000/039-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 5-pole; gray [www.wago.com/232-235/005-000/039-000](http://www.wago.com/232-235/005-000/039-000)



**Item no.: 232-236/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 6-pole; gray [www.wago.com/232-236/005-000](http://www.wago.com/232-236/005-000)



**Item no.: 232-236/005-000/039-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 6-pole; gray [www.wago.com/232-236/005-000/039-000](http://www.wago.com/232-236/005-000/039-000)



**Item no.: 232-237/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 7-pole; gray [www.wago.com/232-237/005-000](http://www.wago.com/232-237/005-000)



**Item no.: 232-238/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 8-pole; gray [www.wago.com/232-238/005-000](http://www.wago.com/232-238/005-000)



**Item no.: 232-239/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 9-pole; gray [www.wago.com/232-239/005-000](http://www.wago.com/232-239/005-000)



**Item no.: 232-240/005-000**  
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 10-pole; gray [www.wago.com/232-240/005-000](http://www.wago.com/232-240/005-000)

**Item no.: 232-240/005-000/039-000**

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



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 10-pole; gray

[www.wago.com/232-240/005-000/039-000](http://www.wago.com/232-240/005-000/039-000)



**Item no.: 232-242/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 12-pole; gray

[www.wago.com/232-242/005-000](http://www.wago.com/232-242/005-000)



**Item no.: 232-242/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 12-pole; gray

[www.wago.com/232-242/005-000/039-000](http://www.wago.com/232-242/005-000/039-000)



**Item no.: 232-246/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 16-pole; gray

[www.wago.com/232-246/005-000](http://www.wago.com/232-246/005-000)



**Item no.: 232-246/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 16-pole; gray

[www.wago.com/232-246/005-000/039-000](http://www.wago.com/232-246/005-000/039-000)



**Item no.: 232-250/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 20-pole; gray

[www.wago.com/232-250/005-000](http://www.wago.com/232-250/005-000)



**Item no.: 232-250/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 20-pole; gray

[www.wago.com/232-250/005-000/039-000](http://www.wago.com/232-250/005-000/039-000)



**Item no.: 232-732/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-732/005-000](http://www.wago.com/232-732/005-000)



**Item no.: 232-733/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-733/005-000](http://www.wago.com/232-733/005-000)



**Item no.: 232-734/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-734/005-000](http://www.wago.com/232-734/005-000)



**Item no.: 232-734/005-000/039-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-734/005-000/039-000](http://www.wago.com/232-734/005-000/039-000)



**Item no.: 232-735/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-735/005-000](http://www.wago.com/232-735/005-000)



**Item no.: 232-735/005-000/039-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-735/005-000/039-000](http://www.wago.com/232-735/005-000/039-000)

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

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	<b>Item no.: 232-736/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; gray	<a href="http://www.wago.com/232-736/005-000">www.wago.com/232-736/005-000</a>
	<b>Item no.: 232-736/005-000/039-000</b> THT female header; 0.6 x 1.0 mm solder pin; gray	<a href="http://www.wago.com/232-736/005-000/039-000">www.wago.com/232-736/005-000/039-000</a>
	<b>Item no.: 232-738/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; gray	<a href="http://www.wago.com/232-738/005-000">www.wago.com/232-738/005-000</a>
	<b>Item no.: 232-740/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; gray	<a href="http://www.wago.com/232-740/005-000">www.wago.com/232-740/005-000</a>
	<b>Item no.: 232-742/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; gray	<a href="http://www.wago.com/232-742/005-000">www.wago.com/232-742/005-000</a>
	<b>Item no.: 232-832/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 2-pole; gray	<a href="http://www.wago.com/232-832/005-000">www.wago.com/232-832/005-000</a>
	<b>Item no.: 232-833/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 3-pole; gray	<a href="http://www.wago.com/232-833/005-000">www.wago.com/232-833/005-000</a>
	<b>Item no.: 232-834/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 4-pole; gray	<a href="http://www.wago.com/232-834/005-000">www.wago.com/232-834/005-000</a>
	<b>Item no.: 232-836/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 6-pole; gray	<a href="http://www.wago.com/232-836/005-000">www.wago.com/232-836/005-000</a>
	<b>Item no.: 232-836/005-000/039-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Locking lever; Pin spacing 7.5 mm; 6-pole; gray	<a href="http://www.wago.com/232-836/005-000/039-000">www.wago.com/232-836/005-000/039-000</a>
	<b>Item no.: 232-840/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 10-pole; gray	<a href="http://www.wago.com/232-840/005-000">www.wago.com/232-840/005-000</a>
	<b>Item no.: 232-842/005-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 12-pole; gray	<a href="http://www.wago.com/232-842/005-000">www.wago.com/232-842/005-000</a>
	<b>Item no.: 722-132/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 2-pole; light gray	<a href="http://www.wago.com/722-132/005-000">www.wago.com/722-132/005-000</a>

**Item no.: 722-132/005-000/039-000**

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



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/722-133/005-000/039-000](http://www.wago.com/722-133/005-000/039-000)



**Item no.: 722-133/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/722-133/005-000](http://www.wago.com/722-133/005-000)



**Item no.: 722-133/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/722-133/005-000/039-000](http://www.wago.com/722-133/005-000/039-000)



**Item no.: 722-134/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/722-134/005-000](http://www.wago.com/722-134/005-000)



**Item no.: 722-134/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/722-134/005-000/039-000](http://www.wago.com/722-134/005-000/039-000)



**Item no.: 722-135/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/722-135/005-000](http://www.wago.com/722-135/005-000)



**Item no.: 722-135/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/722-135/005-000/039-000](http://www.wago.com/722-135/005-000/039-000)



**Item no.: 722-136/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/722-136/005-000](http://www.wago.com/722-136/005-000)



**Item no.: 722-136/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/722-136/005-000/039-000](http://www.wago.com/722-136/005-000/039-000)



**Item no.: 722-137/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-137/005-000](http://www.wago.com/722-137/005-000)



**Item no.: 722-137/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-137/005-000/039-000](http://www.wago.com/722-137/005-000/039-000)



**Item no.: 722-138/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/722-138/005-000](http://www.wago.com/722-138/005-000)
















**Item no.: 722-138/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/722-138/005-000/039-000](http://www.wago.com/722-138/005-000/039-000)














**Item no.: 722-139/005-000**

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

	Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 9-pole; light gray	<a href="http://www.wago.com/722-139/005-000">www.wago.com/722-139/005-000</a>
	<b>Item no.: 722-139/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 9-pole; light gray	<a href="http://www.wago.com/722-139/005-000/039-000">www.wago.com/722-139/005-000/039-000</a>
	<b>Item no.: 722-140/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray	<a href="http://www.wago.com/722-140/005-000">www.wago.com/722-140/005-000</a>
	<b>Item no.: 722-140/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 10-pole; light gray	<a href="http://www.wago.com/722-140/005-000/039-000">www.wago.com/722-140/005-000/039-000</a>
	<b>Item no.: 722-141/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole; light gray	<a href="http://www.wago.com/722-141/005-000">www.wago.com/722-141/005-000</a>
	<b>Item no.: 722-142/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray	<a href="http://www.wago.com/722-142/005-000">www.wago.com/722-142/005-000</a>
	<b>Item no.: 722-142/005-007/039-000</b> Female connector for rail-mount terminal blocks; gray	<a href="http://www.wago.com/722-142/005-007/039-000">www.wago.com/722-142/005-007/039-000</a>
	<b>Item no.: 722-143/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 13-pole; light gray	<a href="http://www.wago.com/722-143/005-000">www.wago.com/722-143/005-000</a>
	<b>Item no.: 722-144/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray	<a href="http://www.wago.com/722-144/005-000">www.wago.com/722-144/005-000</a>
	<b>Item no.: 722-144/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 14-pole; light gray	<a href="http://www.wago.com/722-144/005-000/039-000">www.wago.com/722-144/005-000/039-000</a>
	<b>Item no.: 722-145/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 15-pole; light gray	<a href="http://www.wago.com/722-145/005-000">www.wago.com/722-145/005-000</a>
	<b>Item no.: 722-146/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray	<a href="http://www.wago.com/722-146/005-000">www.wago.com/722-146/005-000</a>
	<b>Item no.: 722-146/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole; light gray	<a href="http://www.wago.com/722-146/005-000/039-000">www.wago.com/722-146/005-000/039-000</a>

**Item no.: 722-150/005-000**

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

	Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray	<a href="http://www.wago.com/722-150/005-000">www.wago.com/722-150/005-000</a>
	<b>Item no.: 722-150/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 20-pole; light gray	<a href="http://www.wago.com/722-150/005-000/039-000">www.wago.com/722-150/005-000/039-000</a>
	<b>Item no.: 722-232/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 2-pole; light gray	<a href="http://www.wago.com/722-232/005-000">www.wago.com/722-232/005-000</a>
	<b>Item no.: 722-232/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 2-pole; light gray	<a href="http://www.wago.com/722-232/005-000/039-000">www.wago.com/722-232/005-000/039-000</a>
	<b>Item no.: 722-233/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray	<a href="http://www.wago.com/722-233/005-000">www.wago.com/722-233/005-000</a>
	<b>Item no.: 722-233/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole; light gray	<a href="http://www.wago.com/722-233/005-000/039-000">www.wago.com/722-233/005-000/039-000</a>
	<b>Item no.: 722-234/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray	<a href="http://www.wago.com/722-234/005-000">www.wago.com/722-234/005-000</a>
	<b>Item no.: 722-234/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 4-pole; light gray	<a href="http://www.wago.com/722-234/005-000/039-000">www.wago.com/722-234/005-000/039-000</a>
	<b>Item no.: 722-235/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 5-pole; light gray	<a href="http://www.wago.com/722-235/005-000">www.wago.com/722-235/005-000</a>
	<b>Item no.: 722-235/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 5-pole; light gray	<a href="http://www.wago.com/722-235/005-000/039-000">www.wago.com/722-235/005-000/039-000</a>
	<b>Item no.: 722-236/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray	<a href="http://www.wago.com/722-236/005-000">www.wago.com/722-236/005-000</a>
	<b>Item no.: 722-236/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 6-pole; light gray	<a href="http://www.wago.com/722-236/005-000/039-000">www.wago.com/722-236/005-000/039-000</a>
	<b>Item no.: 722-237/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 7-pole; light gray	<a href="http://www.wago.com/722-237/005-000">www.wago.com/722-237/005-000</a>
	<b>Item no.: 722-237/005-000/039-000</b>	

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





Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-237/005-000/039-000](http://www.wago.com/722-237/005-000/039-000)



**Item no.: 722-238/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/722-238/005-000](http://www.wago.com/722-238/005-000)



**Item no.: 722-239/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/722-239/005-000](http://www.wago.com/722-239/005-000)



**Item no.: 722-239/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/722-239/005-000/039-000](http://www.wago.com/722-239/005-000/039-000)



**Item no.: 722-240/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/722-240/005-000](http://www.wago.com/722-240/005-000)



**Item no.: 722-240/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/722-240/005-000/039-000](http://www.wago.com/722-240/005-000/039-000)



**Item no.: 722-241/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 11-pole; light gray

[www.wago.com/722-241/005-000](http://www.wago.com/722-241/005-000)



**Item no.: 722-242/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray

[www.wago.com/722-242/005-000](http://www.wago.com/722-242/005-000)



**Item no.: 722-242/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 12-pole; light gray

[www.wago.com/722-242/005-000/039-000](http://www.wago.com/722-242/005-000/039-000)



**Item no.: 722-243/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 13-pole; light gray

[www.wago.com/722-243/005-000](http://www.wago.com/722-243/005-000)



**Item no.: 722-244/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/722-244/005-000](http://www.wago.com/722-244/005-000)



**Item no.: 722-244/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/722-244/005-000/039-000](http://www.wago.com/722-244/005-000/039-000)



**Item no.: 722-246/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/722-246/005-000](http://www.wago.com/722-246/005-000)

**Item no.: 722-246/005-000/039-000**

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.



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/722-246/005-000/039-000](http://www.wago.com/722-246/005-000/039-000)



**Item no.: 722-250/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray

[www.wago.com/722-250/005-000](http://www.wago.com/722-250/005-000)

**Insulation stop**



**Item no.: 280-470**

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

[www.wago.com/280-470](http://www.wago.com/280-470)



**Item no.: 280-471**

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

[www.wago.com/280-471](http://www.wago.com/280-471)



**Item no.: 280-472**

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip

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

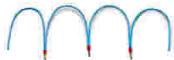
**Jumper**



**Item no.: 210-103**

Wire commoning chain; insulated; 50 connections; black

[www.wago.com/210-103](http://www.wago.com/210-103)



**Item no.: 210-123**

Wire commoning chain; insulated; 50 connections

[www.wago.com/210-123](http://www.wago.com/210-123)



**Item no.: 249-123**

Push-in type wire jumper; insulated; wire length 180 mm; Conductor cross section 0.75 mm²

[www.wago.com/249-123](http://www.wago.com/249-123)



**Item no.: 249-125**

Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm²

[www.wago.com/249-125](http://www.wago.com/249-125)



**Item no.: 249-126**

Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm²

[www.wago.com/249-126](http://www.wago.com/249-126)



**Item no.: 249-127**

Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm²

[www.wago.com/249-127](http://www.wago.com/249-127)



**Item no.: 280-402**

Adjacent jumper; insulated; IN = IN terminal block; gray

[www.wago.com/280-402](http://www.wago.com/280-402)



**Item no.: 280-409**

Alternate jumper; insulated; IN = IN terminal block; gray

[www.wago.com/280-409](http://www.wago.com/280-409)



**Item no.: 280-422**

Adjacent jumper; insulated; IN = IN terminal block; yellow-green

[www.wago.com/280-422](http://www.wago.com/280-422)



**Item no.: 280-482**

Comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray

[www.wago.com/280-482](http://www.wago.com/280-482)



**Item no.: 280-483**

Comb-style jumper bar; insulated; 3-way; IN = IN terminal block; gray

[www.wago.com/280-483](http://www.wago.com/280-483)

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

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	<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>Item no.: 284-414</b> Step-down jumper; insulated; from 10/6 mm <sup>2</sup> to 4/2.5/1.5 mm <sup>2</sup> ; Nominal current 15 A; gray	<a href="http://www.wago.com/284-414">www.wago.com/284-414</a>
	<b>Item no.: 709-110</b> Wire commoning chain; insulated; 4 connections; 3 x 110 mm; black	<a href="http://www.wago.com/709-110">www.wago.com/709-110</a>
	<b>Item no.: 709-111</b> Wire commoning chain; insulated; 3 connections; 2 x 120 mm; black	<a href="http://www.wago.com/709-111">www.wago.com/709-111</a>
	<b>Item no.: 709-112</b> Wire commoning chain; insulated; 3 connections; 2 x 170 mm; black	<a href="http://www.wago.com/709-112">www.wago.com/709-112</a>
	<b>Item no.: 780-452</b> Staggered jumper; insulated; from 1 to 2; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-452">www.wago.com/780-452</a>
	<b>Item no.: 780-453</b> Staggered jumper; insulated; from 1 to 3; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-453">www.wago.com/780-453</a>
	<b>Item no.: 780-454</b> Staggered jumper; insulated; from 1 to 4; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-454">www.wago.com/780-454</a>
	<b>Item no.: 780-455</b> Staggered jumper; insulated; from 1 to 5; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-455">www.wago.com/780-455</a>
	<b>Item no.: 780-456</b> Staggered jumper; insulated; from 1 to 6; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-456">www.wago.com/780-456</a>
	<b>Item no.: 780-457</b> Staggered jumper; insulated; from 1 to 7; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-457">www.wago.com/780-457</a>
	<b>Item no.: 780-458</b> Staggered jumper; insulated; from 1 to 8; Spacing: 5 mm; suitable for 2-conductor female plugs; gray	<a href="http://www.wago.com/780-458">www.wago.com/780-458</a>
<b>plug</b>		
	<b>Item no.: 280-803</b> Empty component plug housing; 10 mm wide; Type 4; 2-pole; gray	<a href="http://www.wago.com/280-803">www.wago.com/280-803</a>
	<b>Item no.: 280-803/281-411</b> Component plug; 2-pole; with diode 1N4007; 10 mm wide; gray	<a href="http://www.wago.com/280-803/281-411">www.wago.com/280-803/281-411</a>

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



**Item no.: 280-803/281-413**  
Component plug; 2-pole; LED (red); 24 VDC; 10 mm wide; gray

[www.wago.com/280-803/281-413](http://www.wago.com/280-803/281-413)



**Item no.: 280-803/281-414**  
Component plug; 2-pole; LED (red); 48 VDC; 10 mm wide; gray

[www.wago.com/280-803/281-414](http://www.wago.com/280-803/281-414)



**Item no.: 280-803/281-415**  
Component plug; 2-pole; LED (red); 10 mm wide; gray

[www.wago.com/280-803/281-415](http://www.wago.com/280-803/281-415)



**Item no.: 280-803/281-416**  
Component plug; 2-pole; LED (red); 10 mm wide; gray

[www.wago.com/280-803/281-416](http://www.wago.com/280-803/281-416)



**Item no.: 280-803/281-417**  
Component plug; 2-pole; 10 mm wide; gray

[www.wago.com/280-803/281-417](http://www.wago.com/280-803/281-417)



**Item no.: 280-803/281-418**  
Component plug; 2-pole; 10 mm wide; gray

[www.wago.com/280-803/281-418](http://www.wago.com/280-803/281-418)



**Item no.: 280-803/281-420**  
Component plug; for carrier terminal blocks; 2-pole; with rectifier diode and LED; 10 mm wide; gray

[www.wago.com/280-803/281-420](http://www.wago.com/280-803/281-420)



**Item no.: 280-803/281-421**  
Component plug; for carrier terminal blocks; 2-pole; with rectifier diode and LED; 10 mm wide; gray

[www.wago.com/280-803/281-421](http://www.wago.com/280-803/281-421)

**Protective Warning Marker**



**Item no.: 280-415**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

[www.wago.com/280-415](http://www.wago.com/280-415)

**ferrule**



**Item no.: 216-101**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated

[www.wago.com/216-101](http://www.wago.com/216-101)



**Item no.: 216-102**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated

[www.wago.com/216-102](http://www.wago.com/216-102)



**Item no.: 216-103**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated

[www.wago.com/216-103](http://www.wago.com/216-103)



**Item no.: 216-104**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated

[www.wago.com/216-104](http://www.wago.com/216-104)

















**Item no.: 216-201**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white














[www.wago.com/216-201](http://www.wago.com/216-201)

**Item no.: 216-202**

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

	Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="http://www.wago.com/216-202">www.wago.com/216-202</a>
	<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red	<a href="http://www.wago.com/216-203">www.wago.com/216-203</a>
	<b>Item no.: 216-204</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black	<a href="http://www.wago.com/216-204">www.wago.com/216-204</a>
	<b>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="http://www.wago.com/216-301">www.wago.com/216-301</a>
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>
<b>General accessories</b>		
	<b>Item no.: 231-162/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 2-pole; gray	<a href="http://www.wago.com/231-162/003-000">www.wago.com/231-162/003-000</a>
	<b>Item no.: 231-163/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 3-pole; gray	<a href="http://www.wago.com/231-163/003-000">www.wago.com/231-163/003-000</a>
	<b>Item no.: 231-164/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 4-pole; gray	<a href="http://www.wago.com/231-164/003-000">www.wago.com/231-164/003-000</a>
	<b>Item no.: 231-165/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 5-pole; gray	<a href="http://www.wago.com/231-165/003-000">www.wago.com/231-165/003-000</a>
	<b>Item no.: 231-166/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 6-pole; gray	<a href="http://www.wago.com/231-166/003-000">www.wago.com/231-166/003-000</a>
	<b>Item no.: 231-167/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 7-pole; gray	<a href="http://www.wago.com/231-167/003-000">www.wago.com/231-167/003-000</a>
	<b>Item no.: 231-168/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 8-pole; gray	<a href="http://www.wago.com/231-168/003-000">www.wago.com/231-168/003-000</a>
	<b>Item no.: 231-169/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 9-pole; gray	<a href="http://www.wago.com/231-169/003-000">www.wago.com/231-169/003-000</a>
	<b>Item no.: 231-170/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 10-pole; gray	<a href="http://www.wago.com/231-170/003-000">www.wago.com/231-170/003-000</a>

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

	<p><b>Item no.: 231-171/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 11-pole; gray</p>	<a href="http://www.wago.com/231-171/003-000">www.wago.com/231-171/003-000</a>
	<p><b>Item no.: 231-172/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 12-pole; gray</p>	<a href="http://www.wago.com/231-172/003-000">www.wago.com/231-172/003-000</a>
	<p><b>Item no.: 231-176/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 16-pole; gray</p>	<a href="http://www.wago.com/231-176/003-000">www.wago.com/231-176/003-000</a>
	<p><b>Item no.: 231-180/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 20-pole; gray</p>	<a href="http://www.wago.com/231-180/003-000">www.wago.com/231-180/003-000</a>
	<p><b>Item no.: 281-407</b> Test plug; 6 mm wide; Nominal current 24 A; for 0.08 mm<sup>2</sup> - 2.5 mm<sup>2</sup>; 2,50 mm<sup>2</sup>; gray</p>	<a href="http://www.wago.com/281-407">www.wago.com/281-407</a>
	<p><b>Item no.: 721-162/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 2-pole; light gray</p>	<a href="http://www.wago.com/721-162/003-000">www.wago.com/721-162/003-000</a>
	<p><b>Item no.: 721-163/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray</p>	<a href="http://www.wago.com/721-163/003-000">www.wago.com/721-163/003-000</a>
	<p><b>Item no.: 721-164/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray</p>	<a href="http://www.wago.com/721-164/003-000">www.wago.com/721-164/003-000</a>
	<p><b>Item no.: 721-165/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 5-pole; light gray</p>	<a href="http://www.wago.com/721-165/003-000">www.wago.com/721-165/003-000</a>
	<p><b>Item no.: 721-166/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray</p>	<a href="http://www.wago.com/721-166/003-000">www.wago.com/721-166/003-000</a>
	<p><b>Item no.: 721-167/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 7-pole; light gray</p>	<a href="http://www.wago.com/721-167/003-000">www.wago.com/721-167/003-000</a>
	<p><b>Item no.: 721-168/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 8-pole; light gray</p>	<a href="http://www.wago.com/721-168/003-000">www.wago.com/721-168/003-000</a>
	<p><b>Item no.: 721-169/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 9-pole; light gray</p>	<a href="http://www.wago.com/721-169/003-000">www.wago.com/721-169/003-000</a>
	<p><b>Item no.: 721-170/003-000</b></p>	

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

	Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray	<a href="http://www.wago.com/721-170/003-000">www.wago.com/721-170/003-000</a>
	<b>Item no.: 721-171/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole; light gray	<a href="http://www.wago.com/721-171/003-000">www.wago.com/721-171/003-000</a>
	<b>Item no.: 721-172/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray	<a href="http://www.wago.com/721-172/003-000">www.wago.com/721-172/003-000</a>
	<b>Item no.: 721-173/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 13-pole; light gray	<a href="http://www.wago.com/721-173/003-000">www.wago.com/721-173/003-000</a>
	<b>Item no.: 721-174/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray	<a href="http://www.wago.com/721-174/003-000">www.wago.com/721-174/003-000</a>
	<b>Item no.: 721-175/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 15-pole; light gray	<a href="http://www.wago.com/721-175/003-000">www.wago.com/721-175/003-000</a>
	<b>Item no.: 721-176/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray	<a href="http://www.wago.com/721-176/003-000">www.wago.com/721-176/003-000</a>
	<b>Item no.: 721-180/003-000</b> Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray	<a href="http://www.wago.com/721-180/003-000">www.wago.com/721-180/003-000</a>
<b>assembling</b>		
	<b>Item no.: 209-106</b> Mounting carrier; for isolated mounting on DIN 35 rails; gray	<a href="http://www.wago.com/209-106">www.wago.com/209-106</a>
	<b>Item no.: 709-153</b> Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent	<a href="http://www.wago.com/709-153">www.wago.com/709-153</a>

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Documentation**

**Bid Text**

280-833 GAEB X81 - Datei	Feb 19, 2019	xml 3.3 kB	Download
280-833 doc - Datei	Feb 28, 2017	doc 24.6 kB	Download

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### Additional Information

Technical explanations

Apr 3, 2019

pdf  
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### CAD/CAE-Data

#### CAD data

2D/3D Models 280-833

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#### CAE data

EPLAN Data Portal 280-833

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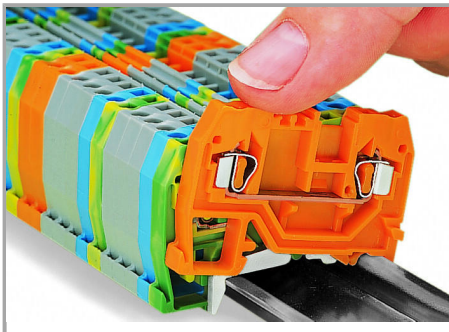
WSCAD Universe 280-833

[URL](#)

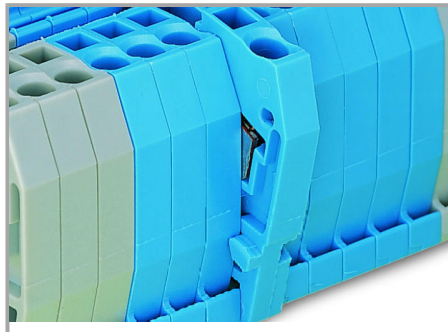
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### Handling Instructions

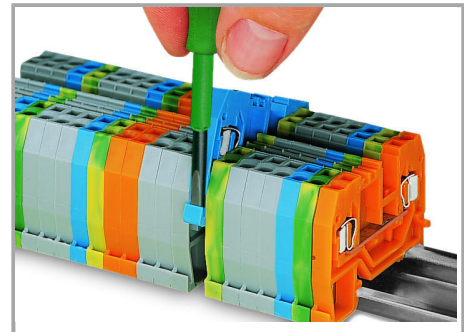
#### Assembly



Snapping a terminal block onto the carrier rail.



Quick assembly keys prevent reverse mounting.



Removing a terminal block from the assembly.

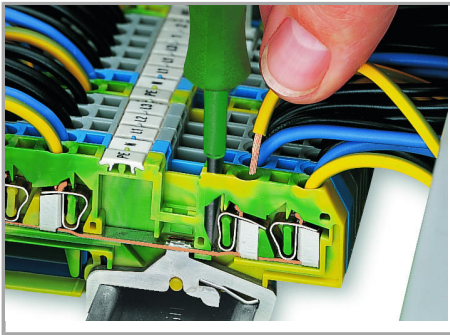
Subject to changes. Please also observe the further product documentation!



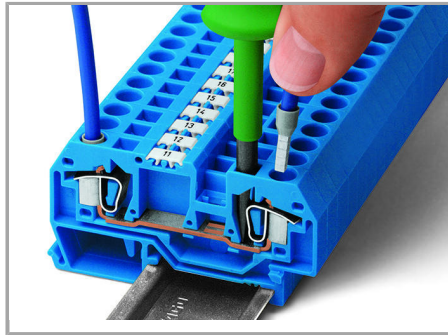


Steel carrier rails are not suited for PEN (ground and N-conductor) applications per EN 60947-7-2 (VDE 0611, Part 3).

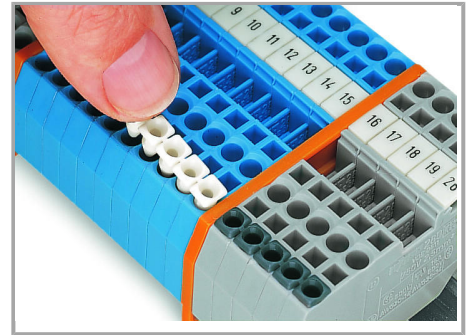
#### Inserting a conductor



CAGE CLAMP® connection



CAGE CLAMP® connection



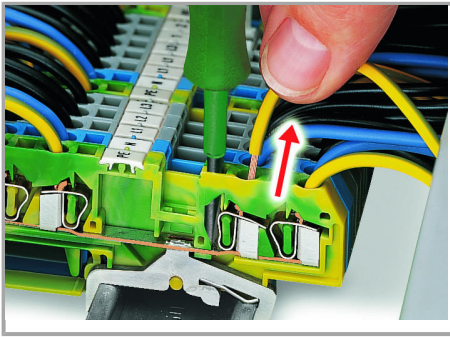
Inserting insulation stops.

Inserting a conductor.

Inserting a conductor.

With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.

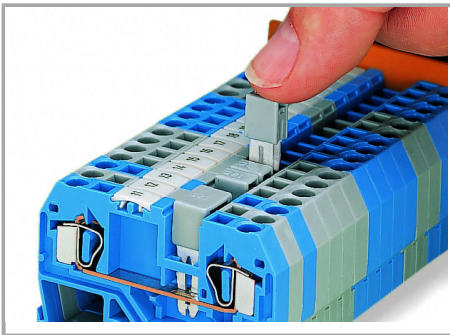
Subject to changes. Please also observe the further product documentation!



**CAGE CLAMP® connection**

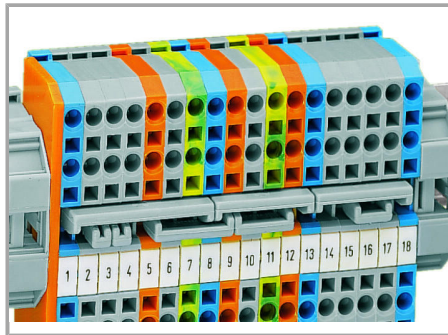
Removing a conductor.

**Commoning**

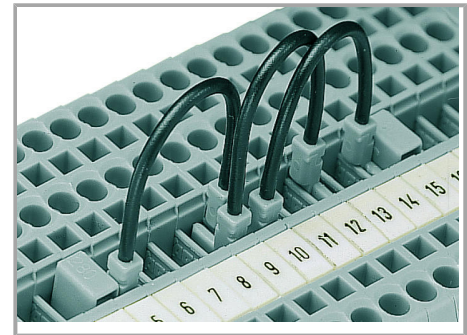


Commoning using an adjacent jumper (280-402).

Push jumper down until fully inserted.



Staggered jumpers for sophisticated circuit requirements – push jumpers down until fully inserted.



**Wire jumpers**

When installing machines or control systems, it is often necessary to make an additional connection between two terminal blocks that are not next to each other on the rail. In such cases, WAGO's touch-proof, push-in type wire jumpers are the ideal solution.

These jumpers are compatible with the following rail-mount terminal blocks:

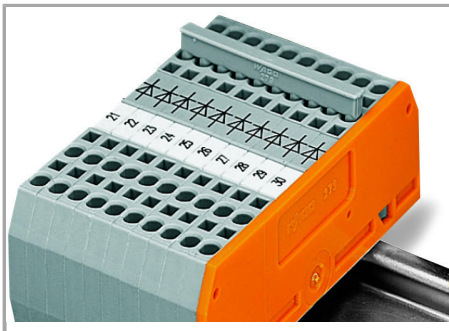
- 279 Series (1.5 mm<sup>2</sup>/16 AWG),
- 
- 280/775/780 Series (2.5 mm<sup>2</sup>/14 AWG)

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

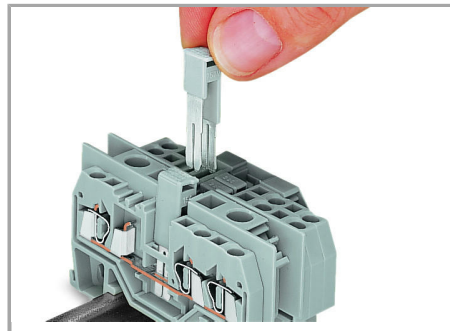
- 
- 281/769/776/777/781 and 880 Series (4 mm<sup>2</sup>/12 AWG)
- 

They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

Compared with the 279 Series, the 280/775/780 and 281/776/777/781 Series can also accommodate two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780/880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.



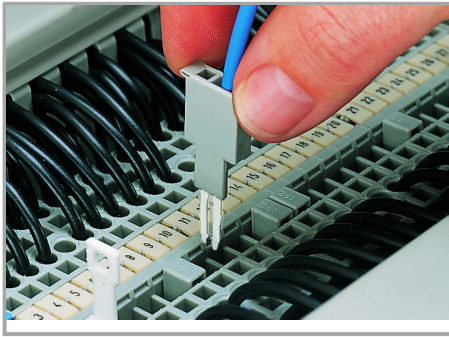
Commoning using comb-style jumper bars. Push comb-style jumper bars down until fully inserted.



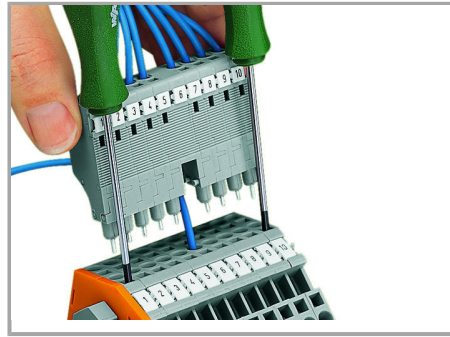
Commoning terminal blocks of different sizes via step-down jumpers.

### Testing

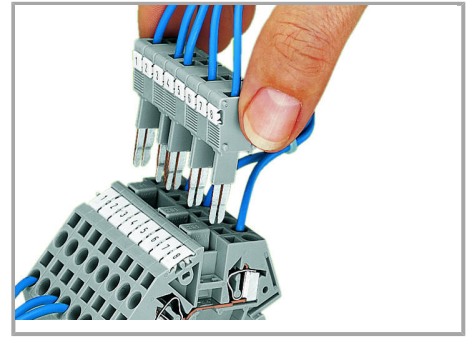
Subject to changes. Please also observe the further product documentation!



Testing with a test plug

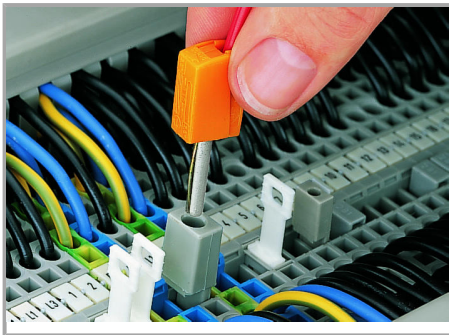


L-type test plug modules fitted with CAGE CLAMP®

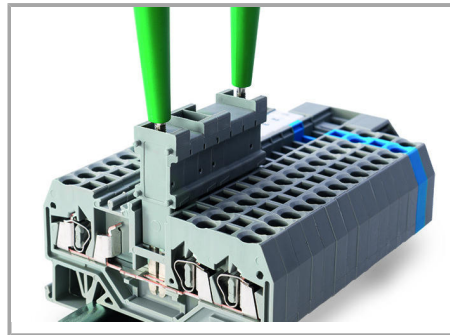


B-type test plug modules fitted with CAGE CLAMP®

(picture shows a test plug fitted with CAGE CLAMP®).



Testing with a test plug

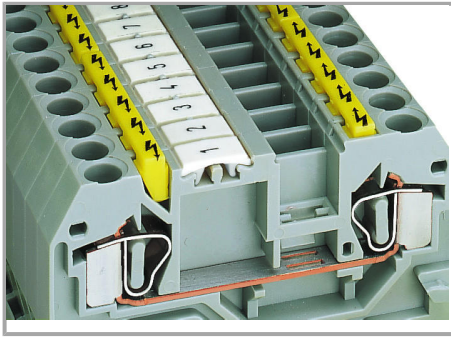


The test plug modules are directly plugged into the jumper contact slot of the current bar.

(picture shows 209-170 Test Plug Adapter).

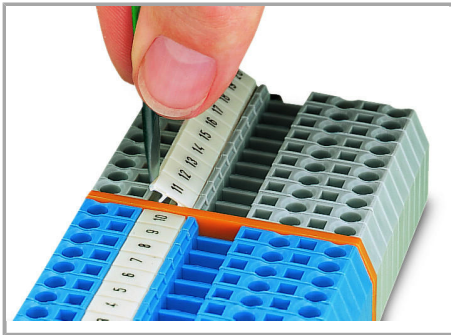
### Cover

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

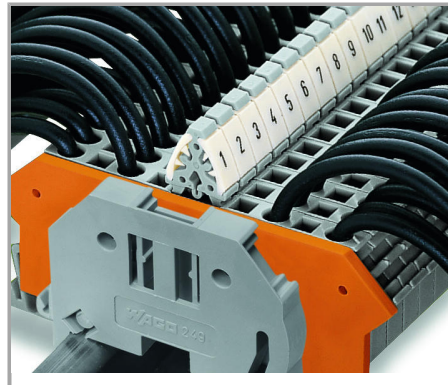


Protective warning markers inserted into the operating slots.

### Marking



Marking via WMB Multi Marking System.



Terminal block marking with double marker carriers (209-128) for terminal blocks with side marking

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