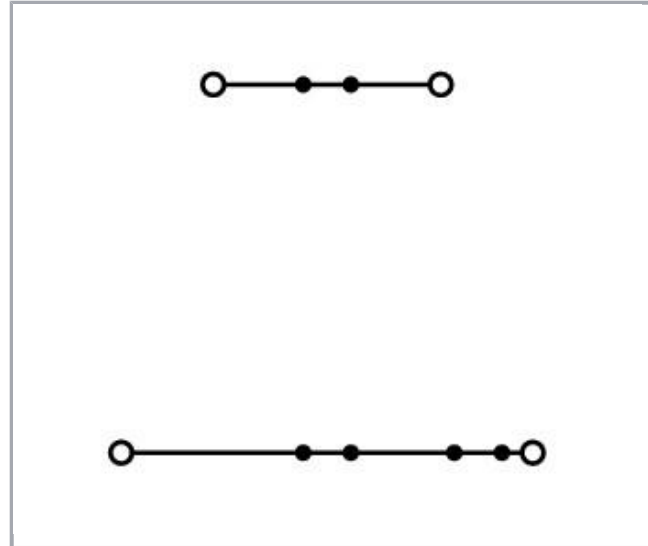
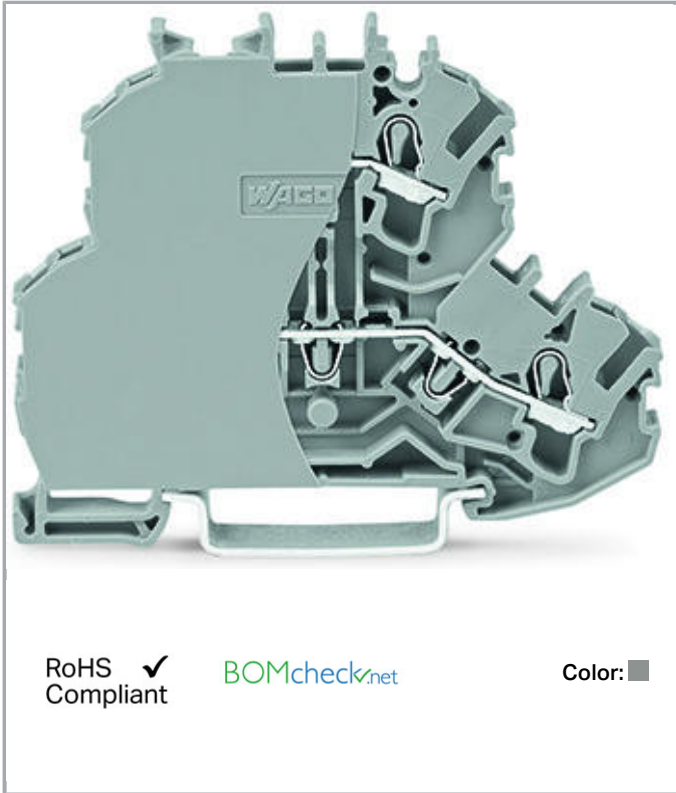


## Data sheet | Item number: 2002-2202/099-000

Double-deck terminal block; Through/through terminal block; with end plate; N/L; without marker carrier; Blue conductor entry lower deck; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



[www.wago.com/2002-2202/099-000](http://www.wago.com/2002-2202/099-000)



### Data

#### Electrical data

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

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	800 V
Rated impulse voltage (III / 3)	8 kV
Rated current	24 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

#### Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	20 A

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

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Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	20 A
Rated voltage UL (Use Group D)	600 V
Rated current UL (Use Group D)	5 A
Approvals per	UL 1059

## Connection data

Connection technology	Push-in CAGE CLAMP®
Number of connection points (connection type)	2
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross section	2,5 mm <sup>2</sup>
Solid conductor	0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG
Solid conductor, push-in termination	0,75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG
Fine-stranded conductor	0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG
Fine-stranded conductor with ferrule with plastic collar	1 ... 2,5 mm <sup>2</sup> / 18 ... 12 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1 ... 2,5 mm <sup>2</sup> / 18 ... 12 AWG
Strip length	10 ... 12 mm / 0.39 ... 0.47 inch
Number of connection points	2
Total number of connection points	4
Total number of potentials	2
Number of levels	2
Type of wiring	Front-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

## Geometrical Data

Width	6,2 mm / 0.244 inch
Height from upper-edge of DIN-35 rail	51,7 mm / 2.035 inch
Depth	69,7 mm / 2.744 inch

## Mechanical data

Design	horizontal type
Type of mounting	DIN-35 rail
Potential marking	N/L
Marking level	Center/side marking

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

## Material Data




Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.296 MJ
Weight	13.2 g

## Commercial data



Packaging type	BOX
Country of origin	DE
GTIN	4050821299004
Customs Tariff No.	85369010000

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7730
	CSA DEKRA Certification B.V.	C22.2 No. 158	1536069
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71- 107687

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	BV Bureau Veritas S.A.	EN 60947	38586/A0 BV

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DNV GL  
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TAE00001V2


## Counterpart

## Compatible products

### Test Accessories

Item no.: 2002-611 TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2002-611">www.wago.com/2002-611</a>
Item no.: 2002-649 TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray	<a href="http://www.wago.com/2002-649">www.wago.com/2002-649</a>
Item no.: 2009-174 Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray	<a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>
Item no.: 2009-182 Testing tap; for max. 2.5 mm <sup>2</sup> ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray	<a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a>

### Insulation stop

Item no.: 2002-171 Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip; light gray	<a href="http://www.wago.com/2002-171">www.wago.com/2002-171</a>
 Item no.: 2002-172 Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip; dark gray	<a href="http://www.wago.com/2002-172">www.wago.com/2002-172</a>










### 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	<a href="http://www.wago.com/210-112">www.wago.com/210-112</a>
Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	<a href="http://www.wago.com/210-113">www.wago.com/210-113</a>
Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	<a href="http://www.wago.com/210-114">www.wago.com/210-114</a>








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	<b>Item no.: 210-115</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm"	<a href="http://www.wago.com/210-115">www.wago.com/210-115</a>
	<b>Item no.: 210-118</b> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	<a href="http://www.wago.com/210-118">www.wago.com/210-118</a>
	<b>Item no.: 210-196</b> Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-196">www.wago.com/210-196</a>
	<b>Item no.: 210-197</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	<a href="http://www.wago.com/210-197">www.wago.com/210-197</a>
	<b>Item no.: 210-198</b> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	<a href="http://www.wago.com/210-198">www.wago.com/210-198</a>
	<b>Item no.: 210-504</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	<a href="http://www.wago.com/210-504">www.wago.com/210-504</a>
	<b>Item no.: 210-505</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	<a href="http://www.wago.com/210-505">www.wago.com/210-505</a>
	<b>Item no.: 210-506</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715	<a href="http://www.wago.com/210-506">www.wago.com/210-506</a>
	<b>Item no.: 210-508</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715	<a href="http://www.wago.com/210-508">www.wago.com/210-508</a>
<b>ferrule</b>		
	<b>Item no.: 216-241</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	<a href="http://www.wago.com/216-241">www.wago.com/216-241</a>
	<b>Item no.: 216-242</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<a href="http://www.wago.com/216-242">www.wago.com/216-242</a>
	<b>Item no.: 216-243</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<a href="http://www.wago.com/216-243">www.wago.com/216-243</a>
	<b>Item no.: 216-244</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	<a href="http://www.wago.com/216-244">www.wago.com/216-244</a>
	<b>Item no.: 216-246</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	<a href="http://www.wago.com/216-246">www.wago.com/216-246</a>
	<b>Item no.: 216-262</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<a href="http://www.wago.com/216-262">www.wago.com/216-262</a>
	<b>Item no.: 216-263</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<a href="http://www.wago.com/216-263">www.wago.com/216-263</a>












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	<p><b>Item no.: 216-264</b>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>	<a href="http://www.wago.com/216-264">www.wago.com/216-264</a>
	<p><b>Item no.: 216-266</b>                  Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p>	<a href="http://www.wago.com/216-266">www.wago.com/216-266</a>
<b>Protective Warning Marker</b>		
	<p><b>Item no.: 2002-115</b>                  Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow</p>	<a href="http://www.wago.com/2002-115">www.wago.com/2002-115</a>
<b>Marking accessories</b>		
	<p><b>Item no.: 2002-121</b>                  Adaptor</p>	<a href="http://www.wago.com/2002-121">www.wago.com/2002-121</a>
	<p><b>Item no.: 2002-161</b>                  Adaptor</p>	<a href="http://www.wago.com/2002-161">www.wago.com/2002-161</a>
	<p><b>Item no.: 2009-110</b>                  Marking strips; on reel; not stretchable; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
	<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>	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
	<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>	<a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115 /000-002</a>
	<p><b>Item no.: 2009-115/000-005</b>                  WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115 /000-005</a>
	<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>	<a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115 /000-006</a>
	<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>	<a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115 /000-007</a>
	<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>	<a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115 /000-012</a>
	<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>	<a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115 /000-017</a>
	<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>	<a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115 /000-023</a>

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	<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>	<a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a>
	<p><b>Item no.: 2009-135</b>                  WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-135">www.wago.com/2009-135</a>
	<p><b>Item no.: 2009-145</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>
	<p><b>Item no.: 2009-145/000-002</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a>
	<p><b>Item no.: 2009-145/000-005</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>	<a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a>
	<p><b>Item no.: 2009-145/000-006</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>	<a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a>
	<p><b>Item no.: 2009-145/000-007</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a>
	<p><b>Item no.: 2009-145/000-012</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>	<a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a>
	<p><b>Item no.: 2009-145/000-023</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>	<a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a>
	<p><b>Item no.: 2009-145/000-024</b>                  Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>	<a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a>
	<p><b>Item no.: 2009-191</b>                  Group marker carrier</p>	<a href="http://www.wago.com/2009-191">www.wago.com/2009-191</a>
	<p><b>Item no.: 2009-192</b>                  Group marker carrier</p>	<a href="http://www.wago.com/2009-192">www.wago.com/2009-192</a>
	<p><b>Item no.: 2009-193</b>                  Group marker carrier</p>	<a href="http://www.wago.com/2009-193">www.wago.com/2009-193</a>
	<p><b>Item no.: 2009-198</b>                  Adaptor</p>	<a href="http://www.wago.com/2009-198">www.wago.com/2009-198</a>
	<p><b>Item no.: 248-501</b>                  Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card</p>	<a href="http://www.wago.com/248-501">www.wago.com/248-501</a>

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	<p><b>Item no.: 248-501/000-002</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow</p>	<p><a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a></p>
	<p><b>Item no.: 248-501/000-005</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red</p>	<p><a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a></p>
	<p><b>Item no.: 248-501/000-006</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue</p>	<p><a href="http://www.wago.com/248-501/000-006">www.wago.com/248-501/000-006</a></p>
	<p><b>Item no.: 248-501/000-007</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p><a href="http://www.wago.com/248-501/000-007">www.wago.com/248-501/000-007</a></p>
	<p><b>Item no.: 248-501/000-012</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange</p>	<p><a href="http://www.wago.com/248-501/000-012">www.wago.com/248-501/000-012</a></p>
	<p><b>Item no.: 248-501/000-017</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green</p>	<p><a href="http://www.wago.com/248-501/000-017">www.wago.com/248-501/000-017</a></p>
	<p><b>Item no.: 248-501/000-023</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green</p>	<p><a href="http://www.wago.com/248-501/000-023">www.wago.com/248-501/000-023</a></p>
	<p><b>Item no.: 248-501/000-024</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet</p>	<p><a href="http://www.wago.com/248-501/000-024">www.wago.com/248-501/000-024</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>
	<p><b>Item no.: 793-501/000-012</b> WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>	<p><a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a></p>











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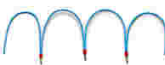
	<b>Item no.: 793-501/000-017</b> WMB marking card; as card; not stretchable; plain; snap-on type; light green	<a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>
	<b>Item no.: 793-501/000-023</b> WMB marking card; as card; not stretchable; plain; snap-on type; green	<a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</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>
	<b>Item no.: 793-5501/000-012</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a>
	<b>Item no.: 793-5501/000-014</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown	<a href="http://www.wago.com/793-5501/000-014">www.wago.com/793-5501/000-014</a>
	<b>Item no.: 793-5501/000-017</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green	<a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a>
	<b>Item no.: 793-5501/000-023</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green	<a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a>
	<b>Item no.: 793-5501/000-024</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a>

**Push-In type wire jumper**

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

	<b>Item no.: 2009-412</b> Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black	<a href="http://www.wago.com/2009-412">www.wago.com/2009-412</a>
	<b>Item no.: 2009-414</b> Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black	<a href="http://www.wago.com/2009-414">www.wago.com/2009-414</a>
	<b>Item no.: 2009-414/000-005</b> Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; red	<a href="http://www.wago.com/2009-414/000-005">www.wago.com/2009-414/000-005</a>
	<b>Item no.: 2009-414/000-006</b> Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; blue	<a href="http://www.wago.com/2009-414/000-006">www.wago.com/2009-414/000-006</a>
	<b>Item no.: 2009-416</b> Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black	<a href="http://www.wago.com/2009-416">www.wago.com/2009-416</a>
<b>tools</b>		
	<b>Item no.: 210-658</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short	<a href="http://www.wago.com/210-658">www.wago.com/210-658</a>
	<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>
<b>Jumper</b>		
	<b>Item no.: 2002-492</b> Double-deck vertical jumper; insulated; light gray	<a href="http://www.wago.com/2002-492">www.wago.com/2002-492</a>
	<b>Item no.: 2002-492/000-012</b> Double-deck vertical jumper; insulated; orange	<a href="http://www.wago.com/2002-492/000-012">www.wago.com/2002-492/000-012</a>
	<b>Item no.: 2004-402</b> Push-in type jumper bar; insulated; 2-way; Nominal current 32 A; light gray	<a href="http://www.wago.com/2004-402">www.wago.com/2004-402</a>
	<b>Item no.: 2004-403</b> Push-in type jumper bar; insulated; 3-way; Nominal current 32 A; light gray	<a href="http://www.wago.com/2004-403">www.wago.com/2004-403</a>
	<b>Item no.: 2004-404</b> Push-in type jumper bar; insulated; 4-way; Nominal current 32 A; light gray	<a href="http://www.wago.com/2004-404">www.wago.com/2004-404</a>
	<b>Item no.: 2004-405</b> Push-in type jumper bar; insulated; 5-way; Nominal current 32 A; light gray	<a href="http://www.wago.com/2004-405">www.wago.com/2004-405</a>
	<b>Item no.: 2004-405/011-000</b> Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray	<a href="http://www.wago.com/2004-405/011-000">www.wago.com/2004-405/011-000</a>
	<b>Item no.: 2004-406</b> Push-in type jumper bar; insulated; 6-way; Nominal current 32 A; light gray	<a href="http://www.wago.com/2004-406">www.wago.com/2004-406</a>

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

	<p><b>Item no.: 2004-406/020-000</b> Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray</p>	<a href="http://www.wago.com/2004-406/020-000">www.wago.com/2004-406/020-000</a>
	<p><b>Item no.: 2004-407</b> Push-in type jumper bar; insulated; 7-way; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-407">www.wago.com/2004-407</a>
	<p><b>Item no.: 2004-408</b> Push-in type jumper bar; insulated; 8-way; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-408">www.wago.com/2004-408</a>
	<p><b>Item no.: 2004-409</b> Push-in type jumper bar; insulated; 9-way; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-409">www.wago.com/2004-409</a>
	<p><b>Item no.: 2004-410</b> Push-in type jumper bar; insulated; 10-way; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-410">www.wago.com/2004-410</a>
	<p><b>Item no.: 2004-433</b> Push-in type jumper bar; insulated; from 1 to 3; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-433">www.wago.com/2004-433</a>
	<p><b>Item no.: 2004-434</b> Push-in type jumper bar; insulated; from 1 to 4; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-434">www.wago.com/2004-434</a>
	<p><b>Item no.: 2004-435</b> Push-in type jumper bar; insulated; from 1 to 5; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-435">www.wago.com/2004-435</a>
	<p><b>Item no.: 2004-436</b> Push-in type jumper bar; insulated; from 1 to 6; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-436">www.wago.com/2004-436</a>
	<p><b>Item no.: 2004-437</b> Push-in type jumper bar; insulated; from 1 to 7; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-437">www.wago.com/2004-437</a>
	<p><b>Item no.: 2004-438</b> Push-in type jumper bar; insulated; from 1 to 8; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-438">www.wago.com/2004-438</a>
	<p><b>Item no.: 2004-439</b> Push-in type jumper bar; insulated; from 1 to 9; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-439">www.wago.com/2004-439</a>
	<p><b>Item no.: 2004-440</b> Push-in type jumper bar; insulated; from 1 to 10; Nominal current 32 A; light gray</p>	<a href="http://www.wago.com/2004-440">www.wago.com/2004-440</a>
	<p><b>Item no.: 210-103</b> Wire commoning chain; insulated; 50 connections; black</p>	<a href="http://www.wago.com/210-103">www.wago.com/210-103</a>
	<p><b>Item no.: 210-123</b> Wire commoning chain; insulated; 50 connections</p>	<a href="http://www.wago.com/210-123">www.wago.com/210-123</a>

## Downloads

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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Subject to changes. Please also observe the further product documentation!

## CAD/CAE-Data

### CAD data

2D/3D Models 2002-2202/099-000

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### CAE data

EPLAN Data Portal 2002-2202/099-000

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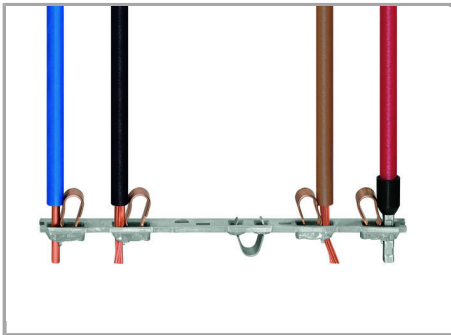
WSCAD Universe 2002-2202/099-000

[URL](#)

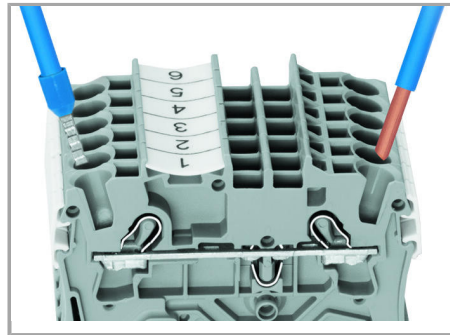
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## Installation Notes

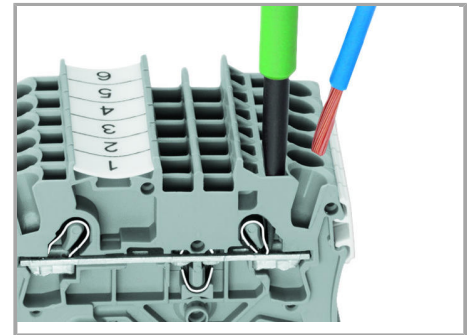
### Inserting a conductor



All conductor types at a glance



Terminating solid and ferruled conductors via push-in connection.



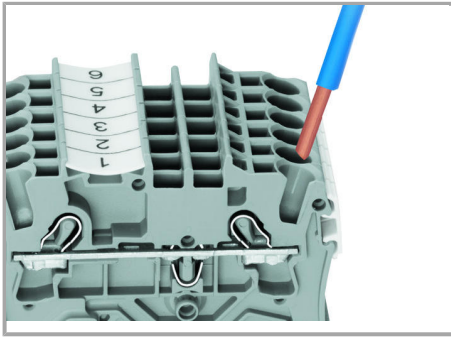
Inserting a conductor via operating tool.

Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

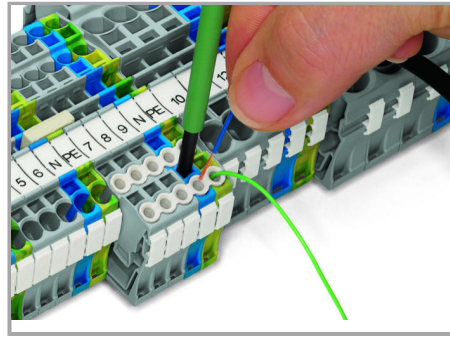
### The smart feature:

To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

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



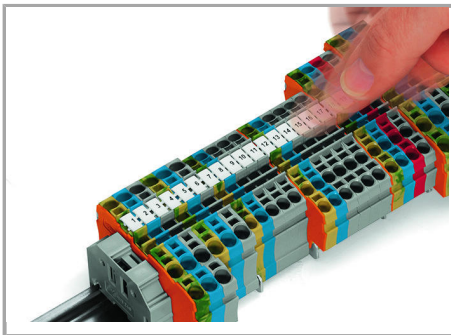
Inserting conductors via push-in termination.



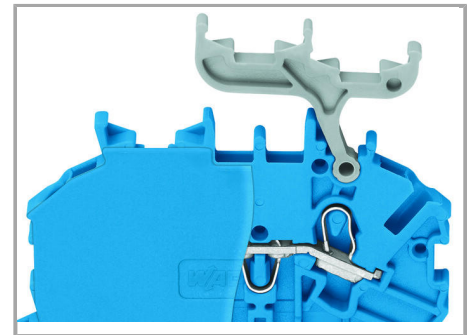
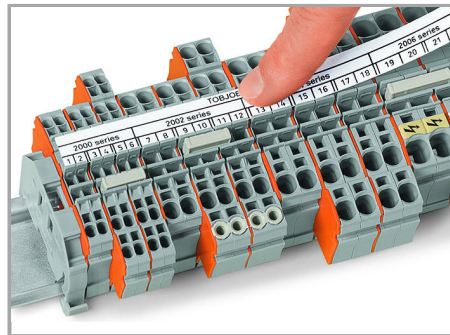
Conductor termination – Insulation stop.

Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

### Marking



Snapping WMB Inline markers into marker slots.



Double-Deck Terminal Blocks double-deck marker carrier (2002-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

### Product family

#### TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Learn more about the product family.](#)

[Show all products from the family](#)

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