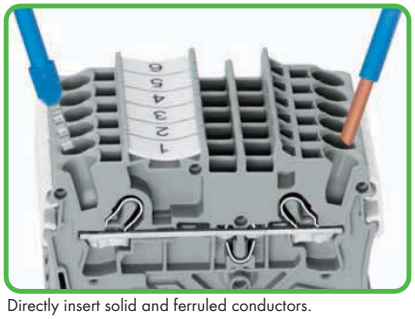
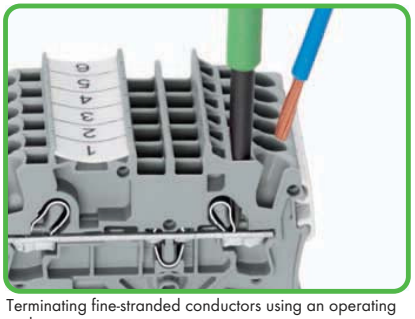
CAGE CLAMP®S Rail-Mounted Terminal Blocks 2000 to 2016 Series

Simply push-in



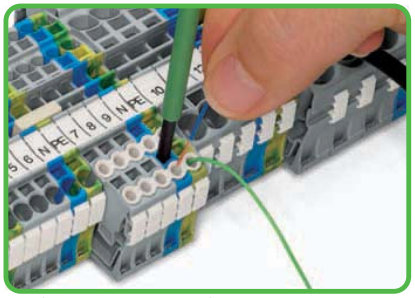
Directly insert solid and ferruled conductors.

Conductor termination



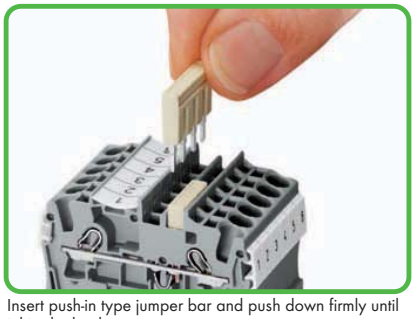
Terminating fine-stranded conductors using an operating tool.

Insulation stop



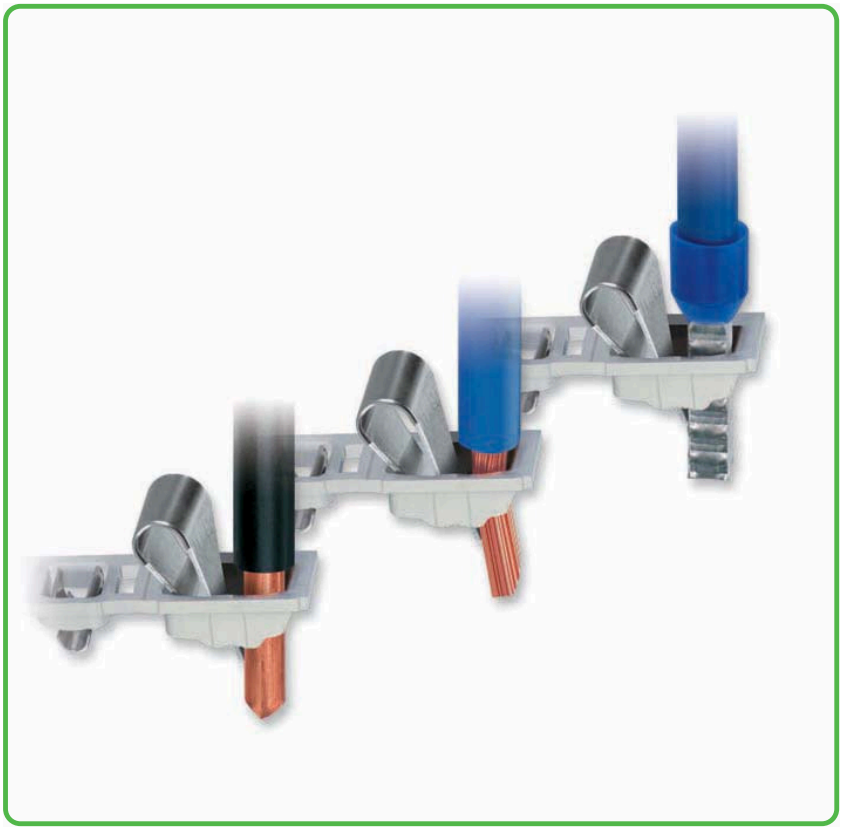
Conductor termination – Insulation stop.

Simply jumpered



Insert push-in type jumper bar and push down firmly until it hits the backstop.

CAGE CLAMP®S for all conductor types



Customizable push-in type jumper bars



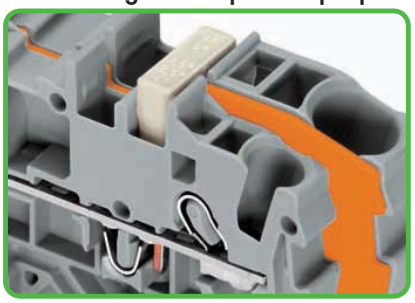
Breaking off jumper contacts (up to 4 mm²/AWG 12)

Customizable push-in type jumper bars



Marking with a felt-tip pen.

Commoning with step-down jumpers



Commoning with step-down jumpers.

Star point jumpers



Star point jumpers designed for 'Y' configuration



CAGE CLAMP®S clamps the following copper conductors:*

solid



stranded

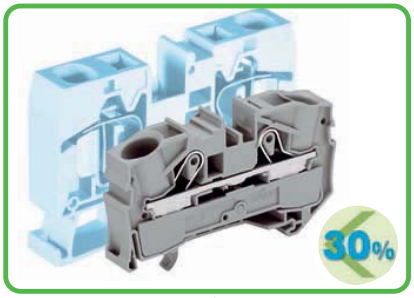


fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

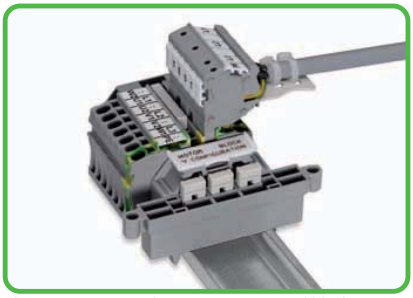
– Description and Handling –

Simply smaller



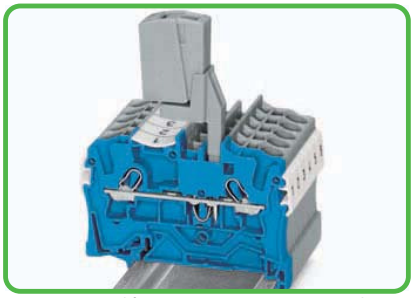
Up to 30% more compact. Advantage: More wiring space or smaller switch cabinets/junction boxes.

TOPJOB®S connectors

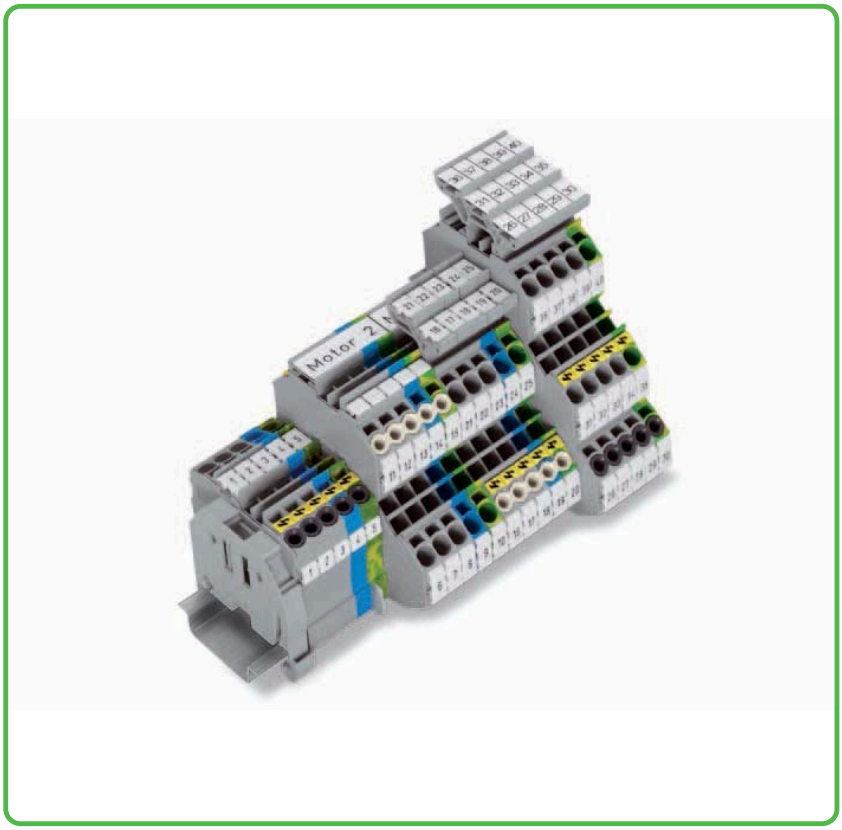


The 2001, 2002 and 2004 Series terminal blocks are equipped with a test socket for 2 mm Ø or 2.3 mm Ø test plugs.

Testing tap



Testing tap suited for 2001 to 2016 Series terminal blocks. Tool-free connections for individual test wires up to 2.5 mm²/AWG 12.

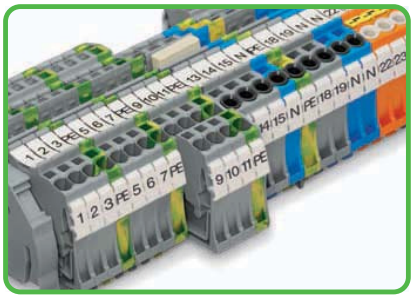


Test plug adapter



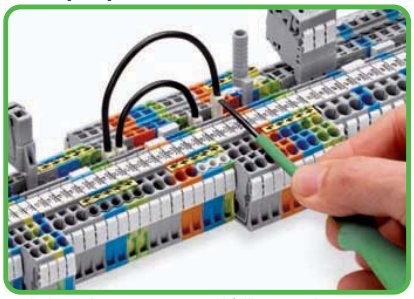
The test plug adapter for 4 mm Ø plugs is suited for 2001 to 2016 Series terminal blocks.

Simply marked



Marker strips for center marking

Wire jumpers



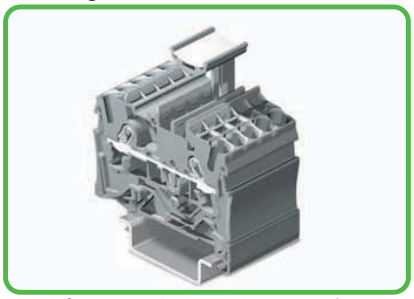
Push down the wire jumper until fully inserted.
Lift the jumper with an operating tool for rewiring.

Marking



WMB Inline
WMB markers on roll

Marking



TOPJOB®S group marker carrier, snap-on type for jumper slot



fine-stranded,
tip-bonded



fine-stranded,
with ferrule,
(gastight crimped)



fine-stranded,
with pin terminal
(gastight crimped)

TOPJOB®S
Through/Ground Conductor/Shield and Ex Terminal Blocks 4 (6) mm²
2004 Series

0.5 - 4 (6) mm² ❶	AWG 20 - 10	
800 V/8 kV/3 ❷	600 V, 30 A	
I_N 32 A (41 A)	600 V, 30 A	
Terminal block width 6.2 mm / 0.244 in		
11 - 13 mm / 0.47 in ❸		







Item No.		Pack. Unit
2-conductor through terminal block		
gray	**2004-1201** ❺	50
blue	**2004-1204** ❹ ❺	50
orange	**2004-1202** ❺	50
red	**2004-1203** ❺	50
black	**2004-1205** ❺	50
yellow	**2004-1206** ❺	50
2-conductor ground terminal block		
green-yellow	**2004-1207** ❺	50
Other terminal blocks with the same profile:		
Diode	**2004-1211/1000-401** Page 122	

Item No.		Pack. Unit
3-conductor through terminal block		
gray	**2004-1301** ❺	50
blue	**2004-1304** ❹ ❺	50
orange	**2004-1302** ❺	50
red	**2004-1303** ❺	50
black	**2004-1305** ❺	50
yellow	**2004-1306** ❺	50
3-conductor ground terminal block		
green-yellow	**2004-1307** ❺	50
Other terminal blocks with the same profile:		
Diode	**2004-1311/1000-401** Page 122	

Item No.		Pack. Unit
4-conductor through terminal block		
gray	**2004-1401** ❺	50
blue	**2004-1404** ❹ ❺	50
orange	**2004-1402** ❺	50
red	**2004-1403** ❺	50
black	**2004-1405** ❺	50
yellow	**2004-1406** ❺	50
4-conductor ground terminal block		
green-yellow	**2004-1407** ❺	50
4-conductor shield terminal block		
white	**2004-1408**	50
Other terminal blocks with the same profile:		
Diode	**2004-1411/1000-401** Page 122	

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2004-1292**	100 (4x25)
	gray	**2004-1291**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2004-1294**	100 (4x25)
	gray	**2004-1293**	100 (4x25)
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	90 mm	**209-190**	50 (2x25)
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2004-1392**	100 (4x25)
	gray	**2004-1391**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2004-1394**	100 (4x25)
	gray	**2004-1393**	100 (4x25)
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2004-1492**	100 (4x25)
	gray	**2004-1491**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2004-1494**	100 (4x25)
	gray	**2004-1493**	100 (4x25)
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	120 mm	**209-191**	50 (2x25)

2004 Series Accessories

Appropriate marking systems: WMB/Marking strips
(see Section 13)

Insulation stop,			
	5 pcs/strip,		
	0.25 - 0.5 mm²		
	light gray	**2004-171**	200 (8x25)
Push-in type jumper bar, insulated,			
	I_N 32 A,		
	light gray		
	2-way	**2004-402**	200 (8x25)
	3-way	**2004-403**	200 (8x25)
	4-way	**2004-404**	100 (4x25)
	5-way	**2004-405**	100 (4x25)
	6-way	**2004-406**	100 (4x25)
	7-way	**2004-407**	100 (4x25)
	8-way	**2004-408**	100 (4x25)
	9-way	**2004-409**	100 (4x25)
	10-way	**2004-410**	100 (4x25)

Insulation stop,			
	5 pcs/strip,		
	0.75 - 1 mm²		
	dark gray	**2004-172**	200 (8x25)
Push-in type jumper bar, insulated,			
	I_N 32 A,		
	light gray		
	from 1 to 3	**2004-433**	200 (8x25)
	from 1 to 4	**2004-434**	200 (8x25)
	from 1 to 5	**2004-435**	100 (4x25)
	from 1 to 6	**2004-436**	100 (4x25)
	from 1 to 7	**2004-437**	100 (4x25)
	from 1 to 8	**2004-438**	100 (4x25)
	from 1 to 9	**2004-439**	100 (4x25)
	from 1 to 10	**2004-440**	100 (4x25)

Delta jumper, insulated,			
❻	I_N = I_N terminal block, light gray		
	1-2 3-4 5-6	**2004-406/020-000**	100 (4x25)
Star point jumper, insulated,			
❻	I_N = I_N terminal block, light gray		
	1-3-5	**2004-405/011-000**	100 (4x25)
Step-down jumper, insulated,			
❻	I_N 32 A		
	light gray	**2006-499**	50 (2x25)
Protective warning marker,			
	with high-voltage symbol, black,		
	for 5 terminal blocks		
	yellow	**2004-115**	100 (4x25)

For list of approvals and user guide, see pages 634 to 637.

Terminal Blocks for Ex i or Ex e II Applications



Through terminal blocks with blue insulated housing are suitable for Ex i applications.



All through and ground conductor terminal blocks are suitable for Ex e II applications.

❶ Conductor sizes: 0.5 mm² – 6 mm² "s + f-st";
Push-in conductor sizes: 1 mm² – 6 mm² "s"
and 0.75 mm² – 4 mm²
"insulated ferrule, 12 mm"

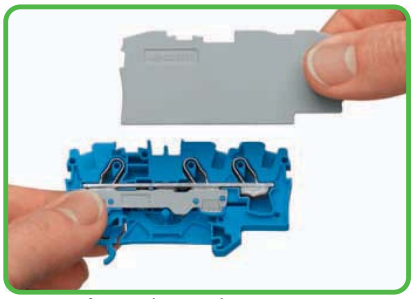
❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❸ Strip length, see packaging or instructions.

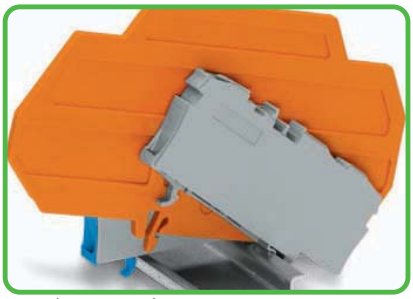
❹ Suitable for Ex i applications

❺ Suitable for Ex e II applications
550 V, 30 A
(also see Section 14)

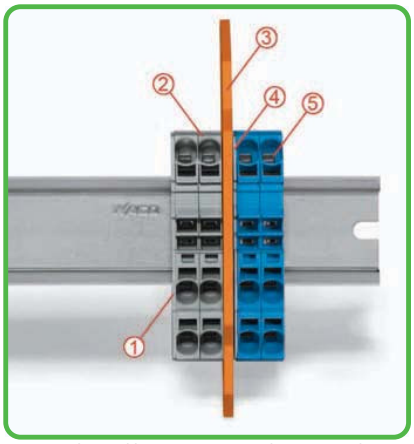
❻ See application notes for:
Ex e/Ex i separator plate, page 52
Step-down jumper, page 67
Star point jumper, page 140
Delta jumper, page 140
Banana plug, page 198
TOPJOB®S connector, page 134



Separator for Ex e/Ex i applications
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



Ex e II/Ex i terminal strip
Notice:
The movable feet of terminal blocks and separator plate must face the same direction.



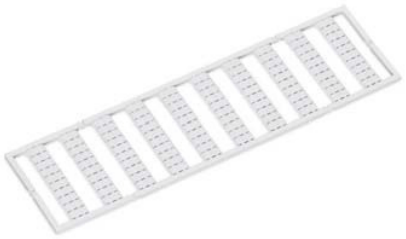
Separator located between Ex e II and Ex i terminal strip
① End plate
② Ex e II terminal blocks
③ Ex e/Ex i separator plate
④ End plate
⑤ Ex i terminal blocks

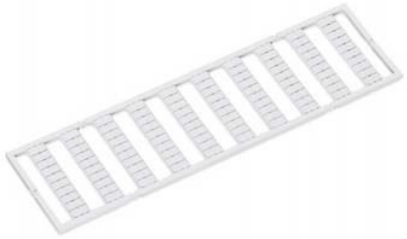
2004 Series Accessories

Modular TOPJOB®S connector, ❻	can be snapped together, for jumper contact slot		
	gray	**2004-511**	100 (4x25)
Spacer module, can be snapped together,	e.g., for bridging commoned terminal blocks		
	gray	**2004-549**	100 (4x25)
End plate,	for modular TOPJOB®S connectors, 1.5 mm thick		
	gray	**2004-541**	100 (4x25)
Test plug adapter,	for test plug 4 mm Ø		
	gray	**2009-174**	100 (4x25)
Banana plug, ❻	for socket 4 mm Ø, color mixed		
		215-111	50
Testing tap,	for max. 2.5 mm²		
	gray	**2009-182**	100 (4x25)
Test plug,	with 500 mm cable, 2 mm Ø		
	red	**210-136**	50
Test plug,	with 500 mm cable, 2.3 mm Ø		
	yellow	**210-137**	50
WMB Multi marking system,	10 strips with 10 markers per card, stretchable 5 - 5.2 mm		
	plain	**793-5501**	5
Marking strip, plain,	11 mm wide, 50 m roll		
	white	**2009-110**	1
TOPJOB®S group marker carrier,	snap-on type for jumper slot, 5 mm wide		
	gray	**2009-191**	50 (2x25)
Screwless end stop,	for DIN 35 rail, 6 mm wide		
	gray	**249-116**	100 (4x25)

Marker Cards, Plain
Marking strips

WMB Multi marking system	WMB Multi marking system	WMB Inline and marking strips



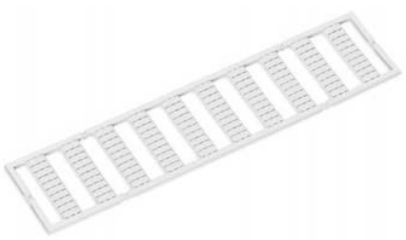


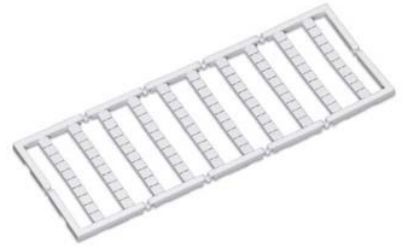


	Item No.	Pack. Unit
WMB Multi marking system,		
for terminal widths 5 - 17.5 mm, 10 strips with 10 markers per card		
◯ plain	**793-501**	5
Marker cards in different colors:		
yellow	**793-501/000-002**	5
red	**793-501/000-005**	5
blue	**793-501/000-006**	5
gray	**793-501/000-007**	5
orange	**793-501/000-012**	5
light green	**793-501/000-017**	5
green	**793-501/000-023**	5
violet	**793-501/000-024**	5

	Item No.	Pack. Unit
WMB Multi marking system,		
stretchable 5 - 5.2 mm, 10 strips with 10 markers per card		
◯ plain	**793-5501**	5
Marker cards in different colors:		
yellow	**793-5501/000-002**	5
red	**793-5501/000-005**	5
blue	**793-5501/000-006**	5
gray	**793-5501/000-007**	5
orange	**793-5501/000-012**	5
light green	**793-5501/000-017**	5
green	**793-5501/000-023**	5
violet	**793-5501/000-024**	5

	Item No.	Pack. Unit
WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll		
◯ white	**2009-115**	1
WMB Inline, plain, stretchable 5 - 5.2 mm, 8,000 WMB markers on roll		
◯ white	**2009-135**	1







	Item No.	Pack. Unit
WMB Multi marking system,		
stretchable 4 - 4.2 mm, 10 strips with 10 markers per card		
◯ plain	**793-4501**	5
Marker cards in different colors:		
yellow	**793-4501/000-002**	5
red	**793-4501/000-005**	5
blue	**793-4501/000-006**	5
gray	**793-4501/000-007**	5
orange	**793-4501/000-012**	5
light green	**793-4501/000-017**	5
green	**793-4501/000-023**	5
violet	**793-4501/000-024**	5

	Item No.	Pack. Unit
Miniature WSB Quick marking system,		
5 mm wide markers, 10 strips with 10 markers per card		
◯ plain	**248-501**	5
Marker cards in different colors:		
yellow	**248-501/000-002**	5
red	**248-501/000-005**	5
blue	**248-501/000-006**	5
gray	**248-501/000-007**	5
orange	**248-501/000-012**	5
light green	**248-501/000-017**	5
green	**248-501/000-023**	5
violet	**248-501/000-024**	5

	Item No.	Pack. Unit
Marking strip, plain, 11 mm wide, white		
◯ 50 m roll	**2009-110**	1

End Stops for DIN 35 Rail

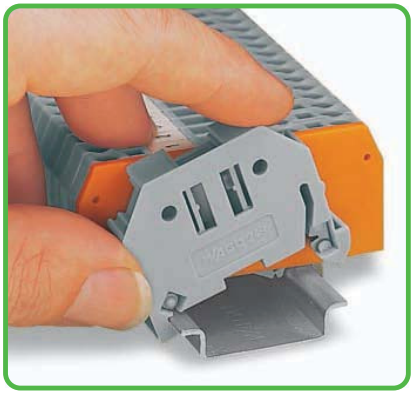
Screwless end stop



	Item No.	Pack. Unit
Screwless end stop, for DIN 35 rail, 6 mm wide		
gray	**249-116**	100 (4x25)

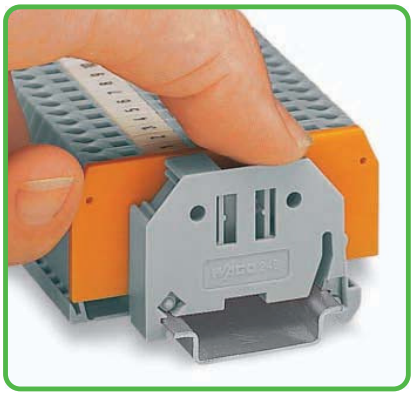


	Item No.	Pack. Unit
Screwless end stop, for DIN 35 rail, 10 mm wide		
gray	**249-117**	50 (2x25)



Snap on





That's it!



Remove a end stop from the rail.

Fit – and forget! Assembling the new WAGO screwless end stop is as simple and quick as snapping a WAGO rail-mount terminal block onto the rail.

Without any tools!

This allows rail-mount terminal blocks to be safely secured, at low cost, against any movement on all DIN 35 carrier rails acc. to DIN EN 50022 (35 x 7.5 mm; 35 x 15 mm).

Entirely without screws!

The "secret" of the excellent tight fit lies in the two small clamping plates which keep the end stop in position, even if the rails are mounted vertically.

Simply snap on and forget!

In addition, costs are significantly reduced when using large numbers of end stops.

Additional benefit: Three marker slots for all WAGO rail-mount terminal block markers and one snap-in hole for WAGO adjustable height group marker carriers offer individual marking options.

Mounting Accessories
Carrier Rails, Rail End Cap, Angled Support Brackets and Collective Carriers

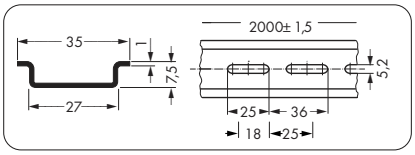
Carrier rail unslotted	Carrier rail unslotted	Carrier rail unslotted





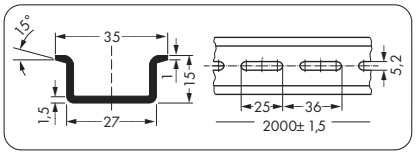


	Item No.	Pack. Unit
Steel carrier rail, I_N 76 A (reference length of 1m/3'3"), 35 x 7.5 mm, 1 mm, 2 m/6'6" long		
unslotted	**210-113**	10
Hole width 25 mm; hole spacing 36 mm		
slotted	**210-112**	10 (10x1)
Hole width 18 mm; hole spacing 25 mm		
slotted	**210-115**	1



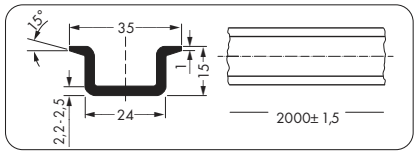
Dimensions in mm

	Item No.	Pack. Unit
Steel carrier rail, I_N 125 A (reference length of 1m/3'3"), 35 x 15 mm, 1.5 mm, 2 m/6'6" long		
unslotted	**210-114**	10
slotted	**210-197**	10



Dimensions in mm

	Item No.	Pack. Unit
Steel carrier rail, I_N 125 A (reference length of 1m/3'3"), 35 x 15 mm, 2.3 mm, 2 m/6'6" long		
unslotted	**210-118**	10



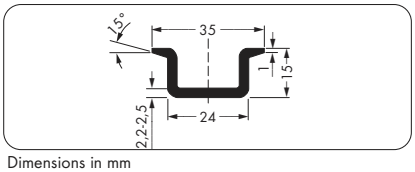
Dimensions in mm





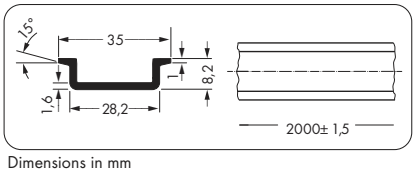


	Item No.	Pack. Unit
Copper carrier rail, I_N 309 A (reference length of 1m/3'3"), 35 x 15 mm, 2.3 mm, 2 m/6'6" long		
unslotted	**210-198**	10



Dimensions in mm

	Item No.	Pack. Unit
Aluminum carrier rail, I_N 76 A (reference length of 1m/3'3"), 35 x 8.2 mm, 1.6 mm, 2 m/6'6" long		
unslotted	**210-196**	10



Dimensions in mm

	Item No.	Pack. Unit
Rail end cap, for DIN 35 rail (7.5 mm high)		
gray	**209-109**	50 (2x25)

Operating Tools

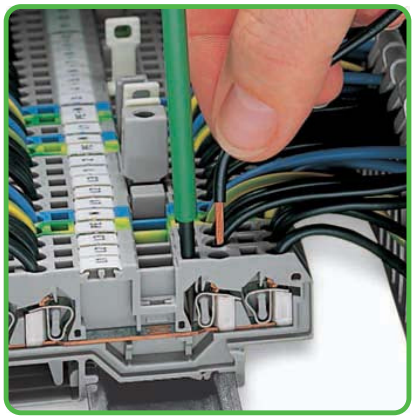
Operating tool with partially insulated shaft	Operating tool set with partially insulated shafts	Operating tool with partially insulated shaft







Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Operating tool with partially insulated shaft,		**Operating tool set with partially insulated shafts,**		**Operating tool with partially insulated shaft,**	
type 1, (2.5 x 0.4) mm blade,		type 1, (2.5 x 0.4) mm blade, type 2, (3.5 x 0.5) mm		(2.5 x 0.4) mm blade, short,	
for 279, 726, 727, 2000, 2001 and 2020 Series		blade, type 3, (5.5 x 0.8) mm blade		for 279, 726, 727, 2000 and 2001 Series	
210-719	1	**210-722**	1	**210-647**	1
Operating tool with partially insulated shaft,				**Operating tool with partially insulated shaft,**	
type 2, (3.5 x 0.5) mm blade,				(2.5 x 0.4) mm blade, short angled,	
for 260, 261, 262, 264, 270, 280, 281, 290, 775,				for 279, 2000, 2001 and 2020 Series	
776, 777, 769, 780, 781, 869, 870, 880, 2002, 2003,					
2004, 2005 and 2022 Series					
210-720	1			**210-648**	1
Operating tool with partially insulated shaft,					
type 3, (5.5 x 0.8) mm blade,					
for 282, 283, 284, 285, 782, 783, 784, 785, 2006,					
2010 and 2016 Series					
210-721	1				



The blade dimensions of the above-listed operating tools with partially insulated shaft are ideal for easy operation of front-entry terminal blocks.



Set of operating tools