Self-Laminating Labels for Cable Marking
Conductor Marker for Threading

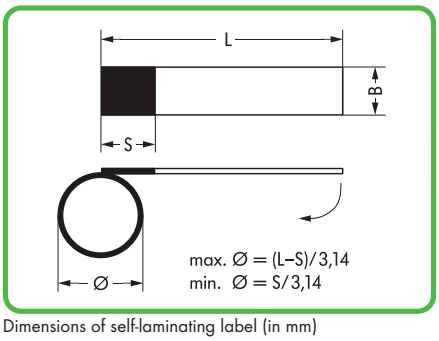
Labels on DIN A4 sheets	Labels on roll	Conductor marker for threading







Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Labels on DIN A4 sheets,		**Labels on roll,**		**Conductor marker for threading,**	
for laser printer		for thermal transfer printer		for 0.75 - 1.5 mm²,	
Marking surface: S = 9 mm B = 17 mm L = 35 mm,		Marking surface: S = 8 mm B = 18 mm L = 35 mm,		2,000 makers per reel	
for max. cable diameter 8 mm,		for max. cable diameter 9 mm,			
70 labels per sheet		9,000 labels per roll			
211-150	20	**211-155**	1	white **211-161**	1
Marking surface: S = 13 mm B = 21 mm L = 56 mm,		Marking surface: S = 13 mm B = 23 mm L = 51 mm,		**Conductor marker for threading,**	
for max. cable diameter 14 mm,		for max. cable diameter 12 mm,		for 2.5 - 6 mm²,	
32 labels per sheet		5,000 labels per roll		2,000 makers per reel	
211-151	25	**211-156**	1	white **211-162**	1



Dimensions of self-laminating label (in mm)



Self-laminating labels are supplied on roll for Thermal Transfer Printers.

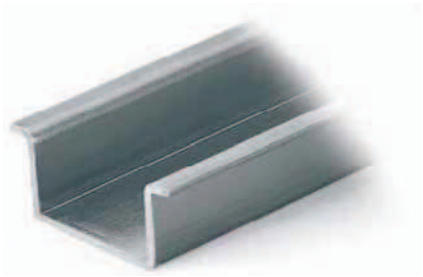


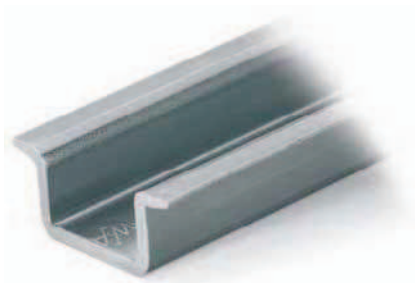
Conductor marker for threading

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

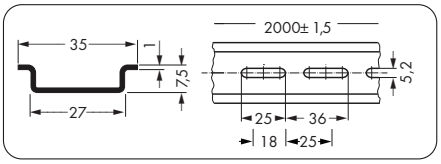
Carrier rail unslotted	Carrier rail unslotted	Carrier rail unslotted





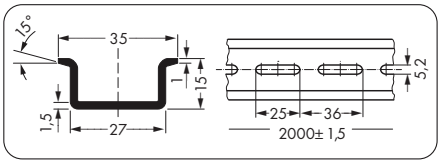


	Item No.	Pack. Unit
Steel carrier rail, I_N 76 A (reference length of 1m/3'3"), 35 x 7.5 mm, 1 mm, 2 m/6'6" long		
unslotted	**210-113**	10
Hole width 25 mm; hole spacing 36 mm		
slotted	**210-112**	10 (10x1)
Hole width 18 mm; hole spacing 25 mm		
slotted	**210-115**	1



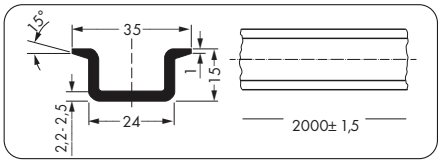
Dimensions in mm

	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



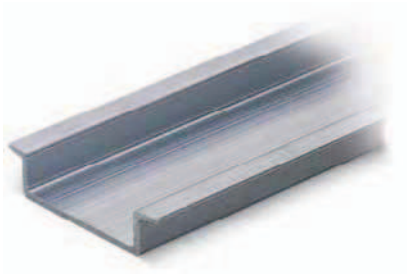
Dimensions in mm

	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



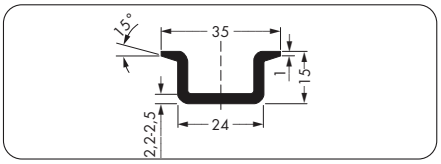
Dimensions in mm





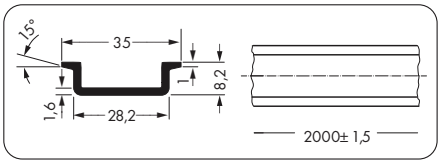


	Item No.	Pack. Unit
Copper carrier rail, I_N 309 A (reference length of 1m/3'3"), 35 x 15 mm, 2.3 mm, 2 m/6'6" long		
unslotted	**210-198**	10



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



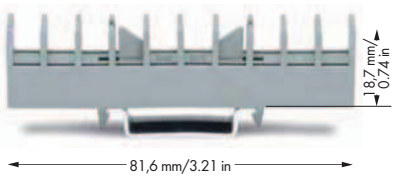
Dimensions in mm

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

Carrier rail unslotted	Angled support bracket	Collective carrier for jumpers



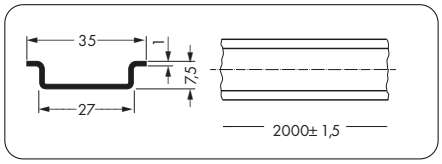




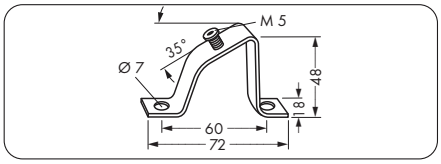
	Item No.	Pack. Unit
Steel carrier rail, I_N 76 A (reference length of 1m/3'3"), 35 x 7.5 mm, 1 mm, 2 m/6'6" long		
unslotted	**210-505**	1
slotted	**210-504**	1

	Item No.	Pack. Unit
Angled support bracket, without screw		
	210-148	10
Screw M 5 x 8		
	210-149	100 (5x20)

	Item No.	Pack. Unit
Collective carrier for jumpers, for DIN 35 rail, for jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)		
gray	**282-369**	25

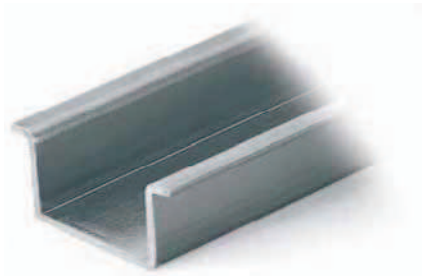


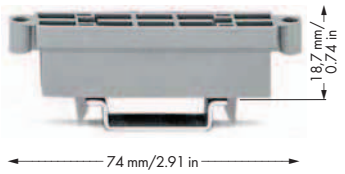
Dimensions in mm



Dimensions in mm

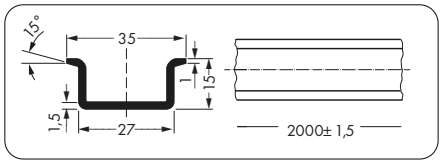
The collective carrier can be snapped onto DIN 35 rails.
It holds jumpers, e. g., during maintenance.





	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	**210-506**	1
slotted	**210-508**	1

	Item No.	Pack. Unit
Collective carrier for adjacent jumpers, for DIN 35 rail, for 279, 280, 281, 282 and 284 Series adjacent jumpers, as well as 215 Series banana plugs		
gray	**209-100**	50 (2x25)

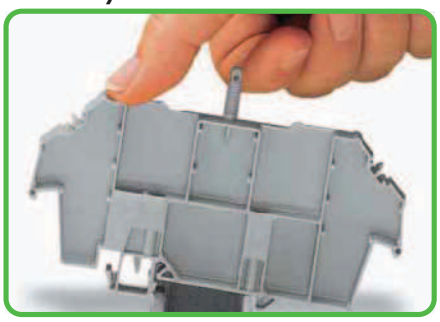


Dimensions in mm

The collective carrier can be snapped onto DIN 35 rails.
It holds adjacent jumpers and banana plugs, e.g., during maintenance.

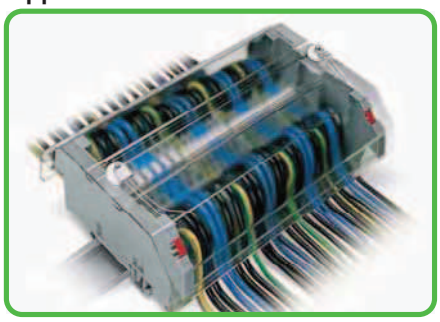
Transparent Covers for Rail-Mounted Terminal Blocks, Usable with Lead Seals – Description and Handling –

Assembly



Snapping a cover carrier onto the carrier rail.

Application

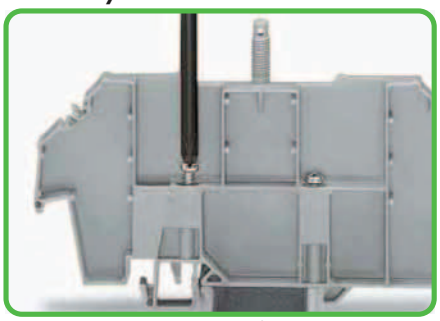


Application examples:
cover (Type 1) without safety warning and lead seals.



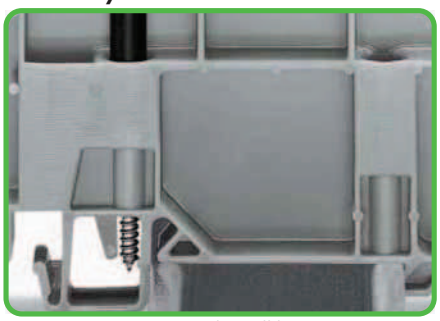
Cover with safety warning and lead seals.

Assembly



Tightening both securing screw (left) and mounting screw (right).

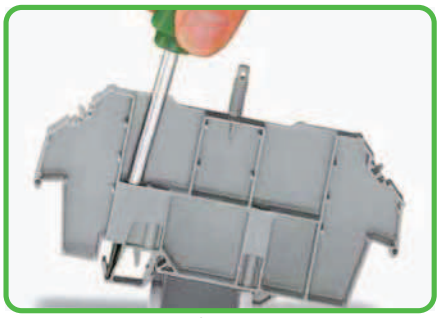
Assembly



Securing screw – prevents lifting off from rail.
Mounting screw – prevents the cover carrier from being moved on the rail.



Removal



Removing a cover carrier from the carrier rail.

Marking



Inserting a marking strip into the cover.

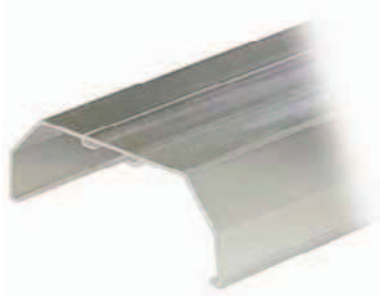
Lead seal



Cover with lead seals.
Using covers without lead seals, the thread dome-head can be broken off.

Transparent Covers for Rail-Mounted Terminal Blocks, Usable with Lead Seals
709 Series

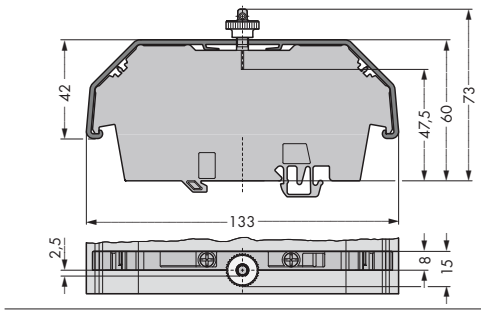
Cover and cover carrier, type 1



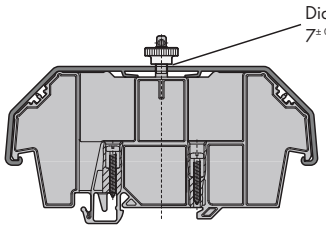
	Item No.	Pack. Unit
Cover, type 1,		
suitable for cover carrier, type 1,		
1 m/3'3'' long		
transparent	**709-153**	10



	Item No.	Pack. Unit
Cover carrier, type 1,		
incl. mounting/securing screws and knurled nut,		
for 279 to 282 Series and 880 Series rail-mount terminal blocks,		
for 264 Series miniature terminal blocks,		
for 270 Series sensor and acuator blocks		
gray	**709-167**	10



Back view



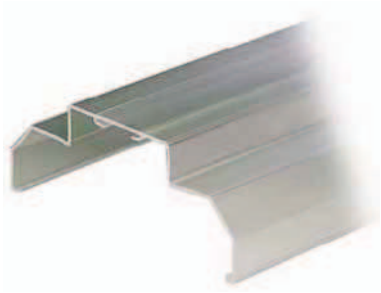
Dimensions in mm

Accessories

Marking card with 6 marking strips,			
	for group marking or safety instructions		
	plain	**709-183**	1
Spare mounting/securing screw,			
	for cover		
		209-196	200 (8x25)
Spare knurled nut,			
	for cover		
		210-549	100 (4x25)

Transparent Covers for Rail-Mounted Terminal Blocks, Usable with Lead Seals
709 Series

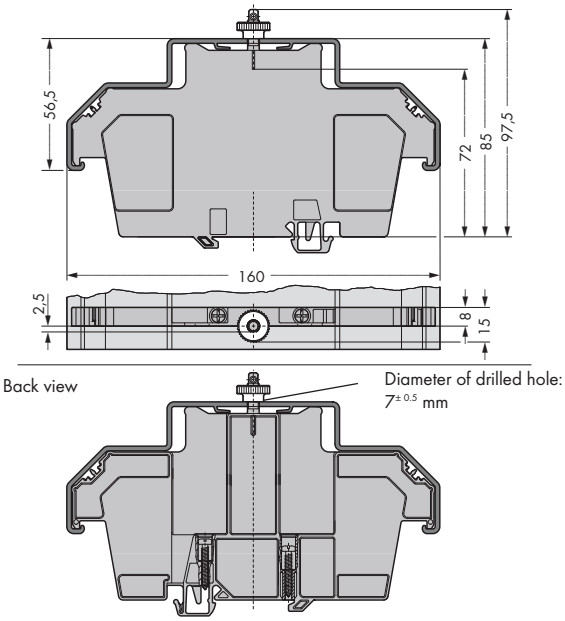
Cover and cover carrier, type 2



	Item No.	Pack. Unit
Cover, type 2,		
suitable for cover carrier, type 2,		
1 m/3'3" long		
transparent	**709-154**	1



	Item No.	Pack. Unit
Cover carrier, type 2,		
incl. mounting/securing screws and knurled nut,		
for 283 to 285 Series rail-mount terminal blocks,		
for 279 to 281 Series double- and triple-deck blocks,		
for 780 to 785, 775, 776 and 777 Series TOPJOB®		
terminals,		
for 280 Series sensor and actuator blocks,		
for 282 Series disconnect terminals for test and		
measurement for transformer circuits		
gray	**709-168**	10



Dimensions in mm

Accessories

Marking card with 6 marking strips,



for group marking or safety instructions

plain	**709-183**	1

Spare mounting/securing screw,



for cover

209-196	200 (8x25)

Spare knurled nut,



for cover

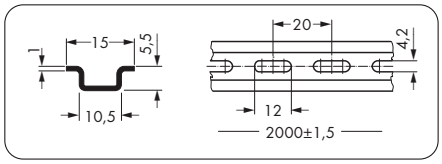
210-549	100 (4x25)

Mounting Accessories
Carrier Rails and End Stops

Carrier rail slotted



Item No.	Pack. Unit
Steel carrier rail, I_N 57 A (reference length of 1m/3'3"), 15 x 5.5 mm, 1 mm, 2 m/6'6" long	
slotted **210-111**	1

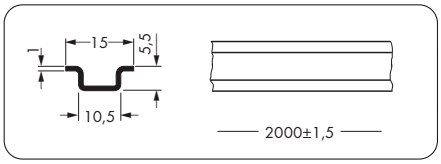


Dimensions in mm

Carrier rail unslotted



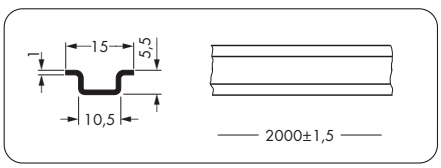
Item No.	Pack. Unit
Steel carrier rail, I_N 57 A (reference length of 1m/3'3"), 15 x 5.5 mm, 1 mm, 2 m/6'6" long	
unslotted **210-295**	1



Dimensions in mm



Item No.	Pack. Unit
Aluminum carrier rail, I_N 57 A (reference length of 1m/3'3"), 15 x 5.5 mm, 1 mm, 2 m/6'6" long	
unslotted **210-296**	10



Dimensions in mm

Screwless end stop



Item No.	Pack. Unit
Screwless end stop, for DIN 15 rail, 6 mm wide	
gray **249-101**	25

Operating Tools

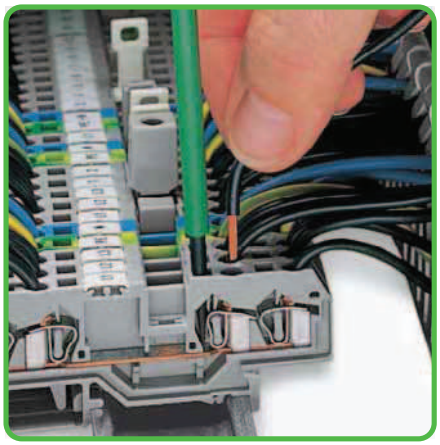
Operating tool with partially insulated shaft	Operating tool set with partially insulated shafts	Operating tool with partially insulated shaft







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

Operating Tools

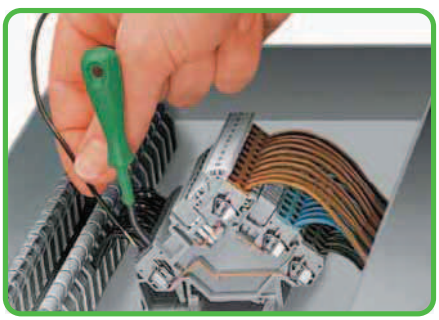
Operating tool with partially insulated shaft	Operating tool	Plunger







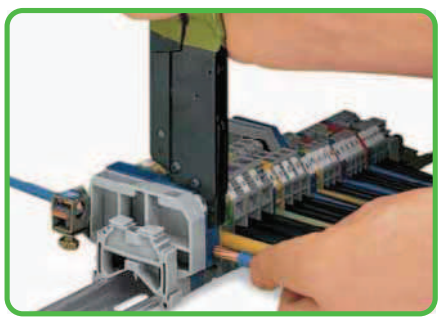
Item No.	Pack. Unit		Item No.	Pack. Unit	Item No.	Pack. Unit
Operating tool with partially insulated shaft,			**Operating tool,** of insulating material,		**Plunger,**	
(3.5 x 0.5) mm blade, short,			for 279 Series rail-mounted terminal blocks		for 279 and 280 Series rail-mounted terminal blocks for	
for 260, 261, 262, 264, 270, 280, 281, 869, 870, 880					side-entry	
Series						
210-657	1	1-way	**209-129**	1	**210-143**	1
		2-way	**279-432**	1		
		3-way	**279-433**	1		
		10-way	**279-440**	1		
Operating tool with partially insulated shaft,			**Operating tool,** of insulating material,		**Plunger,**	
(3.5 x 0.5) mm blade, short angled,			for 264 (1- and 2-way only), 280, 281 (up to 3-way only)		for 281, 282, 283 and 284 Series rail-mounted terminal	
ideal for 280 Series actuator and sensor terminal blocks,			Series rail-mounted terminal blocks		blocks for side-entry	
along with 260, 261, 262, 264, 280, 281, 869, 870,						
880, 2002 and 2004 Series						
210-658	1	1-way	**209-130**	1	**210-141**	1
		2-way	**280-432**	1		
		3-way	**280-433**	1		
		4-way	**280-434**	1		
		5-way	**280-435**	1		
		6-way	**280-436**	1		
		7-way	**280-437**	1		
		8-way	**280-438**	1		
		9-way	**280-439**	1		
		10-way	**280-440**	1		
		for 281 Series rail-mounted terminal blocks			The plunger is placed into the upper operating slot of the	
		5-way	**281-440**	1	side-entry rail-mount terminal block and the clamp is hoo-	
					ked into the lateral operating slot. The contact is fully ope-	
					ned by pressing the handles together until they engage –	
					both hands are then free for conductor preparation and	
					insertion into the terminal block.	



The blade dimensions of the above-listed operating tool (DIN 5264) are ideal for easy operation of 280 Series front-entry sensor and actuator terminal blocks.



Commoning front-entry disconnect terminal blocks with comb-style jumper bars via 10-way operating tool.



When operating the handles beyond the locked position, the ratchet allows the tool to open and be removed from the terminal block.

Cable Strippers

Cable stripper for round cables with an outer Ø from 2.5 mm to 11 mm	Cable stripper for round cables with an outer Ø from 4.5 mm to 45 mm



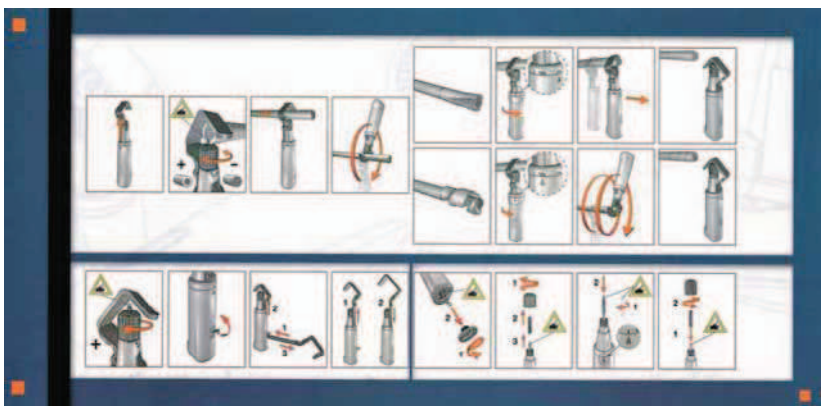




Item No.	Pack. Unit	Item No.	Pack. Unit
Cable stripper,		**Cable stripper,**	
for round cables with an outer Ø from 2.5 mm to 11 mm		for round cables with an outer Ø from 4.5 mm to 45 mm	
206-171	1	**206-174**	1
Item-Specific Accessories		**Item-Specific Accessories**	
Replacement blade,		**Replacement blade,**	
 from 2.5 mm to 11 mm		 from 4.5 mm to 45 mm	
206-170	1	**206-173**	1







Operating instructions for 206-171 cable stripper (top) and 206-174 cable stripper (bottom)

206-171 Cable Stripper
- 10-position adjustment wheel ensures repeatable stripping results
- Fine adjustability via 10-position blade cutting depth adjustment
- Strips the sheath from multi-core and fiber optic cables up to 11 mm diameter
- Safe and easy to use through closed stripping cavity

206-174 Cable Stripper
- Safe and easy to use: Three locking positions for circular, longitudinal and spiral cuts
- High cable stripping capacity of up to 40 mm diameter
- Well balanced, ergonomic design features rests for thumb, index and pinky fingers to ease raising of the cable retention hook.
- Spare blades can be stored within the tool body

Stripping Tools

"Microstrip" wire stripper 0.14 - 1.5 mm "s" and "f-st" Cutter for conductors up to 1.5 mm² "s" and "f-st"	"Quickstrip 10" wire stripper 0.02 mm² - 10 mm² "f-st" (6 mm² "s") Cutter for conductors up to 10 mm² "f-st" (1.5 mm² "s")	"Quickstrip 16" wire stripper 4 mm² - 16 mm² Cutter for conductors up to 10 mm² "f-st" (1.5 mm² "s")







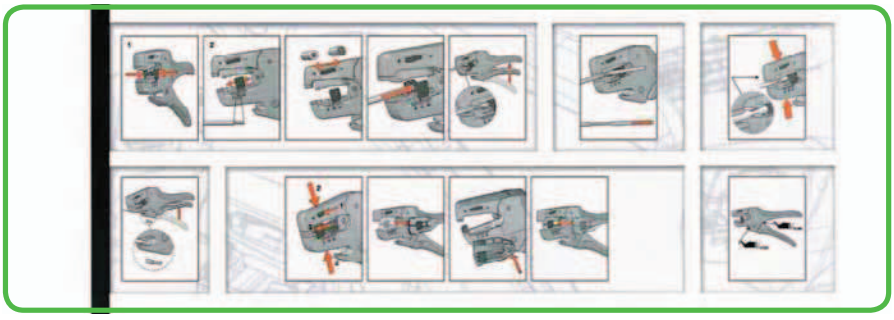
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
"Microstrip" wire stripper		"Quickstrip 10" wire stripper		"Quickstrip 16" wire stripper	
206-501	1	206-124	1	206-125	1
Item-Specific Accessories		**Item-Specific Accessories**		**Item-Specific Accessories**	
Replacement stripping unit,		"Standard" blade cassette,		"Standard" blade cassette,	
complete		0.02 mm² to 10 mm²		4 mm² - 16 mm²	
206-502	1	206-126	1	206-128	1
Replacement blade,		"V" blade cassette,			
for cutter		0.1 mm² to 4 mm² for PTFE			
206-503	1	206-127	1		



Cutting



Stripping



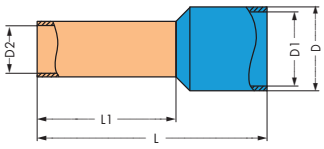
Handling description included

- Automatically adjusts to conductor size.
- No damage to conductor strands.
- Gripping pressure of jaws automatically adjusts to conductor insulation diameter.
- Clamping jaws and stripping blades automatically open once the stripping process is completed, ensuring no damage to the conductor strands.
- Exact strip length may be set by sliding red setting stop.
- Stripping blades can be replaced.
- Self-sharpening, fully protected cutter, also replaceable.*
- The complete body is made of glass fiber-reinforced polyamide.

* applies for Microstrip

Insulated Ferrules and Crimping Tools

Ferrule, insulated, tin plated, electrolytic copper, gastight crimped	Variocrimp 4 crimping tool for insulated and uninsulated ferrules 0.25 mm² - 4 mm²/AWG 24 - 12	Variocrimp 16 crimping tool for insulated and uninsulated ferrules 6 mm² - 16 mm²/AWG 10 - 6







	Item No.	Pack. Unit
Ferrule, insulated,		
according to DIN 46228, part 4/09.90		
yellow	**216-321**	1000
yellow	**216-301**	1000
green	**216-322**	1000
green	**216-302**	1000
white	**216-221**	1000
white	**216-201**	1000
gray	**216-222**	1000
gray	**216-202**	1000
red	**216-223**	1000
red	**216-203**	1000
black	**216-224**	1000
black	**216-204**	1000
yellow	**216-205**	1000
blue	**216-206**	1000
gray	**216-207**	1000
yellow	**216-208**	100
red	**216-209**	100
blue	**216-210**	100

	Item No.	Pack. Unit
Variocrimp 4 crimping tool,		
0.25 mm² - 4 mm²/AWG 24 - 12		
	206-204	1

	Item No.	Pack. Unit
Variocrimp 16 crimping tool,		
6 mm² - 16 mm²/AWG 10 - 6		
	206-216	1

Ferrules

Technical Data

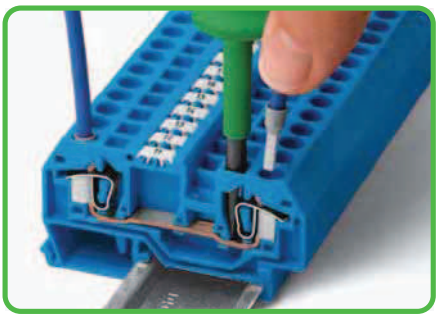
Ferrule, insulated,			
sleeve for 0.25 mm²/AWG 24,			
7 mm strip length,			
L: 10.5 mm, L1: 6 mm,			
D: 2.5 mm, D1: 2 mm, D2: 0.8 mm			
yellow	**216-321**	1000	
Ferrule, insulated,			
sleeve for 0.34 mm²/AWG 24,			
9 mm strip length,			
L: 12.5 mm, L1: 8 mm,			
D: 2.5 mm, D1: 2 mm, D2: 0.8 mm			
green	**216-302**	1000	
Ferrule, insulated,			
sleeve for 0.75 mm²/AWG 20,			
8 mm strip length,			
L: 12 mm, L1: 6 mm,			
D: 3.3 mm, D1: 2.8 mm, D2: 1.3 mm			
gray	**216-222**	1000	
Ferrule, insulated,			
sleeve for 0.25 mm²/AWG 24,			
9 mm strip length,			
L: 12.5 mm, L1: 8 mm,			
D: 2.5 mm, D1: 2 mm, D2: 0.8 mm			
yellow	**216-301**	1000	
Ferrule, insulated,			
sleeve for 0.5 mm²/AWG 22,			
7 mm strip length,			
L: 11.5 mm, L1: 6 mm,			
D: 3 mm, D1: 2.5 mm, D2: 1.1 mm			
white	**216-221**	1000	
Ferrule, insulated,			
sleeve for 0.75 mm²/AWG 20,			
10 mm strip length,			
L: 14 mm, L1: 8 mm,			
D: 3.3 mm, D1: 2.8 mm, D2: 1.3 mm			
gray	**216-202**	1000	
Ferrule, insulated,			
sleeve for 0.35 mm²/AWG 24,			
7 mm strip length,			
L: 10.5 mm, L1: 6 mm,			
D: 2.5 mm, D1: 2 mm, D2: 0.8 mm			
green	**216-322**	1000	
Ferrule, insulated,			
sleeve for 0.5 mm²/AWG 22,			
9 mm strip length,			
L: 13.5 mm, L1: 8 mm,			
D: 3 mm, D1: 2.5 mm, D2: 1.1 mm			
white	**216-201**	1000	
Ferrule, insulated,			
sleeve for 1 mm²/AWG 18,			
8 mm strip length,			
L: 12 mm, L1: 6 mm,			
D: 3.6 mm, D1: 3 mm, D2: 1.5 mm			
red	**216-223**	1000	

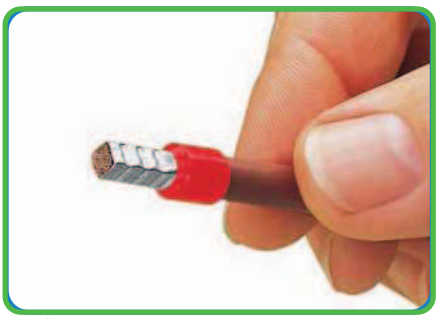
Application notes:
- With "Variocrimp 4," the built-in crimping pressure control automatically adjusts force to the conductor cross section used. With "Variocrimp 16," it is necessary to select the wire gauge on the tool before crimping.
- Only one crimping station is needed to handle the specified conductor size range.
- Uniform compact crimping from all four sides for high conductor retention.
- No need to center the conductor into the ferrule.
- Conductor and ferrule insertion possible from both sides (for left- and right-handers).
- Built-in ratchet mechanism ensures gastight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- Comfortable handles for operator.

Ferrules

Technical Data

Ferrule, insulated,		**Ferrule, insulated,**	
	sleeve for 1 mm²/AWG 18, 10 mm strip length, L: 14 mm, L1: 8 mm, D: 3.6 mm, D1: 3 mm, D2: 1.5 mm red **216-203** 1000		sleeve for 6 mm²/AWG 10, 14 mm strip length, L: 20 mm, L1: 12 mm, D: 6.8 mm, D1: 6.2 mm, D2: 3.5 mm yellow **216-208** 100
Ferrule, insulated,		**Ferrule, insulated,**	
	sleeve for 1.5 mm²/AWG 16, 8 mm strip length, L: 12 mm, L1: 6 mm, D: 4 mm, D1: 3.4 mm, D2: 1.8 mm black **216-224** 1000		sleeve for 10 mm²/AWG 8, 16 mm strip length, L: 21 mm, L1: 12 mm, D: 8.1 mm, D1: 7.5 mm, D2: 4.6 mm red **216-209** 100
Ferrule, insulated,		**Ferrule, insulated,**	
	sleeve for 1.5 mm²/AWG 16, 10 mm strip length, L: 14 mm, L1: 8 mm, D: 4 mm, D1: 3.4 mm, D2: 1.8 mm black **216-204** 1000		sleeve for 16 mm²/AWG 6, 23 mm strip length, L: 29 mm, L1: 18 mm, D: 9.6 mm, D1: 8.8 mm, D2: 5.8 mm blue **216-210** 100
Ferrule, insulated,			
	sleeve for 2.08 mm²/AWG 14, 10 mm strip length, L: 14.5 mm, L1: 8 mm, D: 4.2 mm, D1: 3.6 mm, D2: 2.05 mm yellow **216-205** 1000		
Ferrule, insulated,			
	sleeve for 2.5 mm²/AWG 14, 10 mm strip length, L: 15 mm, L1: 8 mm, D: 4.8 mm, D1: 4.2 mm, D2: 2.3 mm blue **216-206** 1000		
Ferrule, insulated,			
	sleeve for 4 mm²/AWG 12, 12 mm strip length, L: 16.8 mm, L1: 9.5 mm, D: 5.4 mm, D1: 4.8 mm, D2: 2.9 mm gray **216-207** 1000		

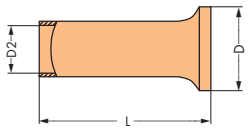




A perfect gastight crimp, both electrically and mechanically reliable.

Uninsulated Ferrules

Ferrule, uninsulated,
tin plated,
electrolytic copper,
gastight crimped



Item No.	Pack. Unit
Ferrule, uninsulated,	
according to DIN 46228, part 1/08.92	
216-151	1000
216-131	1000
216-152	1000
216-132	1000
216-121	1000
216-101	1000
216-122	1000
216-102	1000
216-123	1000
216-103	1000
216-124	1000
216-104	1000
216-106	1000
216-107	1000
216-108	250
216-109	250
216-110	250

Ferrules

Technical Data

Ferrule, uninsulated,
sleeve for 0.25 mm²/AWG 24,
5 mm strip length,
L: 5 mm,
D: 1.7 mm, D2: 0.75 mm
216-151 1000

Ferrule, uninsulated,
sleeve for 0.25 mm²/AWG 24,
7 mm strip length,
L: 7 mm,
D: 1.7 mm, D2: 0.75 mm
216-131 1000

Ferrule, uninsulated,
sleeve for 0.34 mm²/AWG 24,
5 mm strip length,
L: 5 mm,
D: 1.7 mm, D2: 0.85 mm
216-152 1000

Ferrule, uninsulated,
sleeve for 0.34 mm²/AWG 24,
7 mm strip length,
L: 7 mm,
D: 1.7 mm, D2: 0.85 mm
216-132 1000

Ferrule, uninsulated,
sleeve for 0.5 mm²/AWG 22,
6 mm strip length,
L: 6 mm,
D: 2.1 mm, D2: 1 mm
216-121 1000

Ferrule, uninsulated,
sleeve for 0.5 mm²/AWG 22,
8 mm strip length,
L: 8 mm,
D: 2.1 mm, D2: 1 mm
216-101 1000

Ferrule, uninsulated,
sleeve for 0.75 mm²/AWG 20,
6 mm strip length,
L: 6 mm,
D: 2.3 mm, D2: 1.2 mm
216-122 1000

Ferrule, uninsulated,
sleeve for 0.75 mm²/AWG 20,
8 mm strip length,
L: 8 mm,
D: 2.3 mm, D2: 1.2 mm
216-102 1000

Ferrule, uninsulated,
sleeve for 1 mm²/AWG 18,
6 mm strip length,
L: 6 mm,
D: 2.5 mm, D2: 1.4 mm
216-123 1000

Ferrule, uninsulated,
sleeve for 1 mm²/AWG 18,
8 mm strip length,
L: 8 mm,
D: 2.5 mm, D2: 1.4 mm
216-103 1000

Ferrule, uninsulated,
sleeve for 1.5 mm²/AWG 16,
6 mm strip length,
L: 6 mm,
D: 2.8 mm, D2: 1.7 mm
216-124 1000

Ferrule, uninsulated,
sleeve for 1.5 mm²/AWG 16,
8 mm strip length,
L: 8 mm,
D: 2.8 mm, D2: 1.7 mm
216-104 1000

Ferrule, uninsulated,
sleeve for 2.5 mm²/AWG 14,
10 mm strip length,
L: 10 mm,
D: 3.4 mm, D2: 2.2 mm
216-106 1000

Ferrule, uninsulated,
sleeve for 4 mm²/AWG 12,
10 mm strip length,
L: 10 mm,
D: 4 mm, D2: 2.8 mm
216-107 1000

Ferrule, uninsulated,
sleeve for 6 mm²/AWG 10,
12 mm strip length,
L: 12 mm,
D: 4.7 mm, D2: 3.5 mm
216-108 250

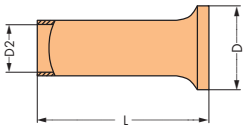
Ferrules

Technical Data

Ferrule, uninsulated,		Ferrule, uninsulated,	
 sleeve for 10 mm²/AWG 8, 12 mm strip length, L: 12 mm, D: 5.8 mm, D2: 4.5 mm	**216-109** 250	 sleeve for 16 mm²/AWG 6, 12 mm strip length, L: 15 mm, D: 7.5 mm, D2: 5.8 mm	**216-110** 250



Only for "Variocrimp 16":
Adjust conductor cross section with crimping tool in open position.



For dimensions of uninsulated ferrules, see technical data.

Crimping Tools

Crimping tool 25 for insulated and uninsulated ferrules crimping range: 10 mm²/AWG 8, 16 mm²/AWG 6 and 25 mm²/AWG 4	Crimping tool 50 for insulated and uninsulated ferrules crimping range: 35 mm²/AWG 2 and 50 mm²/AWG 1/0

Application notes
- Improved crimping for higher conductor retention
- The crimping can be done from either side (for left- or right-handed users)
- Built-in ratchet mechanism ensures gastight crimp connection
- The crimping tool automatically opens once the crimping process is completed
- Ergonomically designed handles





Item No.	Pack. Unit	Item No.	Pack. Unit
Crimping tool 25,		**Crimping tool 50,**	
crimping range: 10 mm²/AWG 8, 16 mm²/AWG 6 and 25 mm²/AWG 4		crimping range: 35 mm²/AWG 2 and 50 mm²/AWG 1/0	
206-225	1	**206-250**	1



Insert ferruled conductor into crimping station.



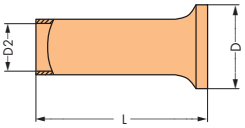
Squeeze handles until ratchet mechanism is released.

What is "gas-tight?"
In a gas-tight connection, the conductor and the ferrule are compressed together, eliminating all spaces. Under normal atmospheric conditions, neither a liquid nor a gaseous medium can penetrate into the crimped connection.
Oxidation between crimped single conductors is prevented, ruling out nearly any increase in the crimped connection resistance.
In some exceptional cases, minute, isolated spaces may be present.
These instances can be considered as closed off due to twisted wires, however.
Inadequate crimping can allow the conductor to be pulled out of the connection. Hollow spaces also remain in which oxidation can form and lead to an increase in contact resistance.
Elevated resistance is detrimental for signal transmission, as the signal flow is damped (weakened), and for power transmission, as power loss and, hence a temperature increase due to contact (risk of fire) can result.
Crimping tools with built-in ratchets are recommended, such as the WAGO Variocrimp tools.
These tools only open after the crimping process has been fully completed. Space-saving crimping from all four sides is ideal for spring clamp termination.
Cross section data for ferruled conductors indicated for WAGO products is based on this crimping method.

Wire Cutter and Uninsulated Ferrules

Wire cutter	Ferrule, uninsulated, tin plated, electrolytic copper, gastight crimped





Item No.	Pack. Unit
Wire cutter, cutting Cu and Al conductors up to 35 mm²	
206-118	1

Item No.	Pack. Unit
Ferrule, uninsulated	
216-413	50
216-414	50
216-424	50
216-425	50
216-435	50

Ferrules

Technical Data

Ferrule, uninsulated,

sleeve for 25 mm²/AWG 4,
25 mm strip length,
L: 25 mm,
D: 9.5 mm, D2: 7.3 mm
216-413 50

Ferrule, uninsulated,

sleeve for 35 mm²/AWG 2,
25 mm strip length,
L: 25 mm,
D: 11 mm, D2: 8.3 mm
216-414 50

Ferrule, uninsulated,

sleeve for 35 mm²/AWG 2,
30 mm strip length,
L: 30 mm,
D: 11 mm, D2: 8.3 mm
216-424 50

Ferrule, uninsulated,

sleeve for 50 mm²/AWG 1,
30 mm strip length,
L: 30 mm,
D: 13 mm, D2: 10.3 mm
216-425 50

Ferrule, uninsulated,

sleeve for 50 mm²/AWG 1,
35 mm strip length,
L: 35 mm,
D: 13 mm, D2: 10.3 mm
216-435 50


Cutting a conductor.


A perfect gastight crimp, both electrically and mechanically reliable.