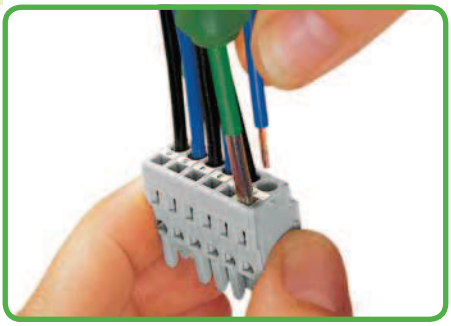
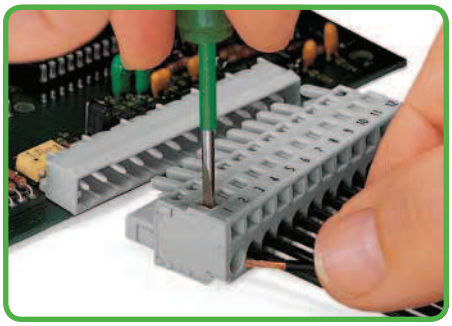
MULTI CONNECTION SYSTEM **MIDI Classic**
Description and Handling

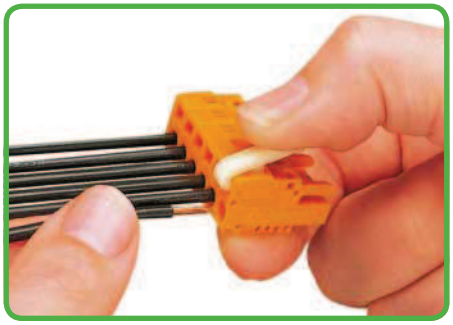
CAGE CLAMP® connection



Inserting conductor using 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.

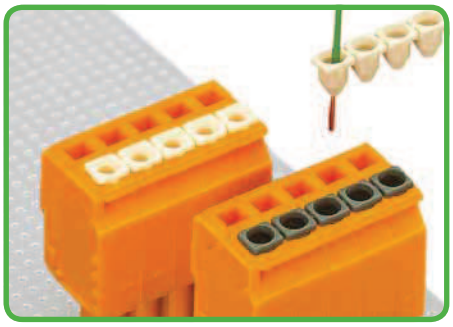


Inserting conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.

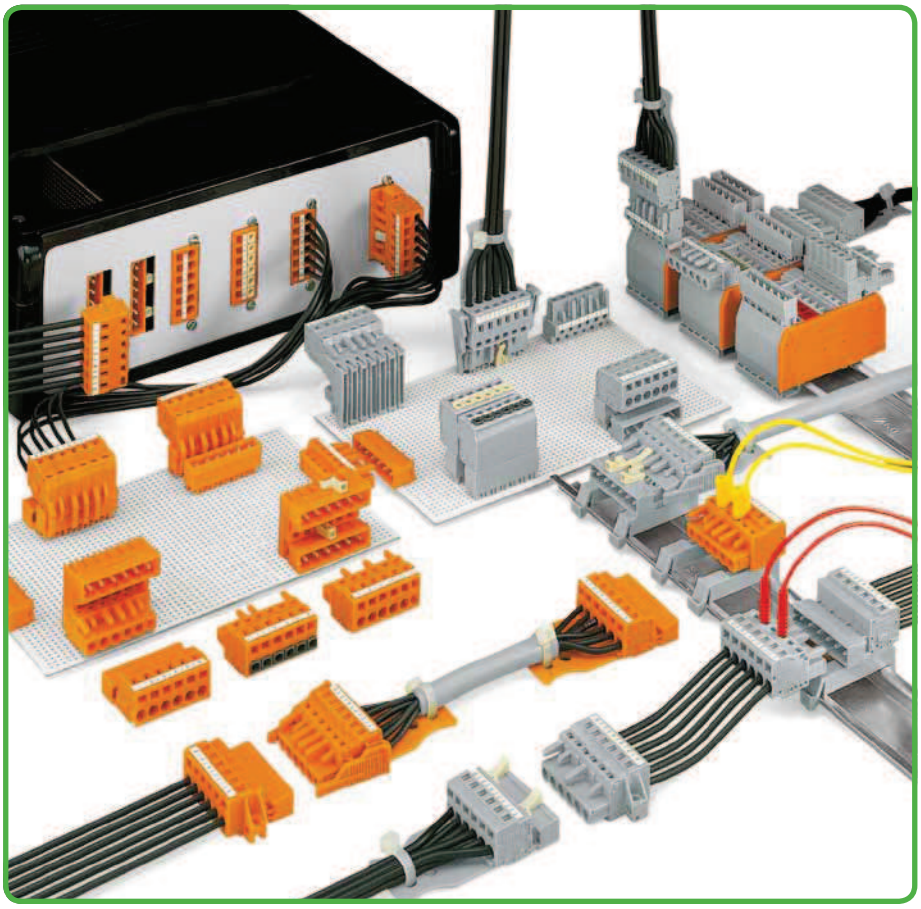


Inserting conductor into CAGE CLAMP® unit via 231-131 operating lever.

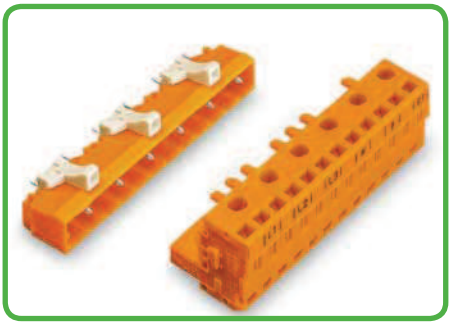
Insulation stop



Prevents conductor insulation from being inserted into the clamping unit for CAGE CLAMP® and CAGE CLAMP®S.

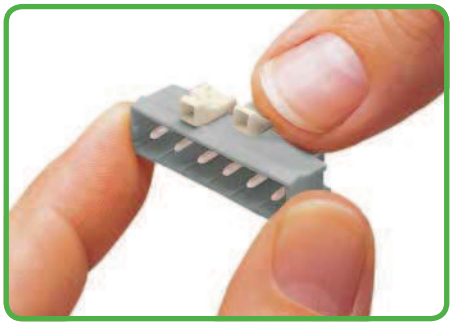


Pin spacing 10 mm and 10.16 mm

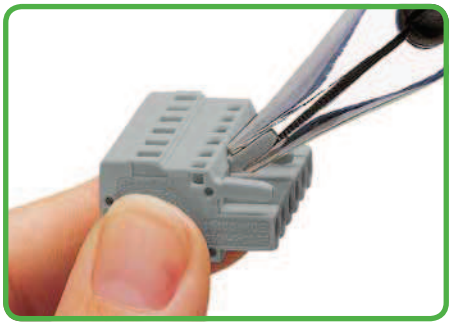


Shown here with 10.16 mm/0.4 in spacing (upon request).

Coding

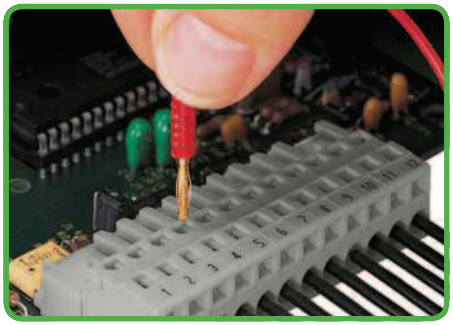


Coding a male header – fitting coding key(s).



Coding a female connector – removing coding finger(s).

Testing

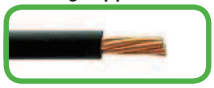


Testing female connector with CAGE CLAMP®.
Vertical insertion of 2 mm or 2.3 mm Ø test plug.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip-bonded



with ferrule



with pin terminal

Strip length, see packaging or instructions.

MULTI CONNECTION SYSTEM **MIDI Classic**
Male Headers with Solder Pins
Pin Spacing 5 mm; 5.08 mm; 7.5 mm and 7.62 mm

Pin spacing 5 mm/0.197 in, gray
320 V/4 kV/3 | 300 V, 10 A
I_N 12 A

Pin spacing 7.5 mm/0.295 in, gray
630 V/6 kV/3 | 300 V, 10 A
I_N 12 A

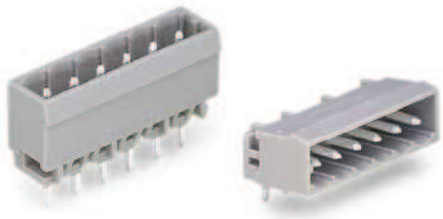
❶ Approvals

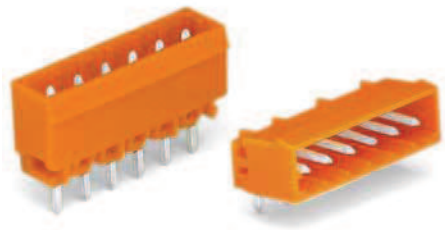
Pin spacing 5.08 mm/0.2 in, orange
250 V/4 kV/3 | 300 V, 10 A
I_N 12 A

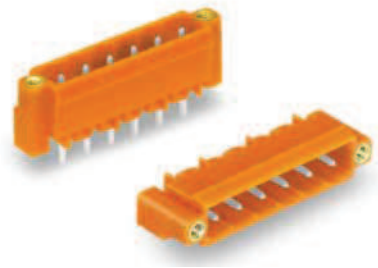
Pin spacing 7.62 mm/0.3 in, orange
630 V/6 kV/3 | 300 V, 10 A
I_N 12 A

❶ Approvals

Accessories







For male headers with screw flanges,
see Full Line Catalog, Volume 2.

Male header with 1 x 1 mm solder pins, gray

Pin spacing 5 mm

Pole No.	Item No. straight	Item No. angled	Pack. Unit
2	231-132/001-000	231-432/001-000	200
3	231-133/001-000	231-433/001-000	200
4	231-134/001-000	231-434/001-000	200
5	231-135/001-000	231-435/001-000	200
:	:	:	
12	231-142/001-000	231-442/001-000	100
:	:	:	
21	231-151/001-000	231-451/001-000	50
22	231-152/001-000	231-452/001-000	50
23	231-153/001-000	231-453/001-000	50
24	231-154/001-000	231-454/001-000	50

Pin spacing 7.5 mm

Pole No.	Item No. straight	Item No. angled	Pack. Unit
2	231-232/001-000	231-832/001-000	200
3	231-233/001-000	231-833/001-000	200
4	231-234/001-000	231-834/001-000	100
5	231-235/001-000	231-835/001-000	100
6	231-236/001-000	231-836/001-000	100
7	231-237/001-000	231-837/001-000	50
8	231-238/001-000	231-838/001-000	50
9	231-239/001-000	231-839/001-000	50
10	231-240/001-000	231-840/001-000	50
11	231-241/001-000	231-841/001-000	50
12	231-242/001-000	231-842/001-000	50
13	231-243/001-000	231-843/001-000	50
16	231-246/001-000	231-846/001-000	50

Male header with 1 x 1 mm solder pins, orange

Pin spacing 5.08 mm

Pole No.	Item No. straight	Item No. angled	Pack. Unit
2	231-332/001-000	231-532/001-000	200
3	231-333/001-000	231-533/001-000	200
4	231-334/001-000	231-534/001-000	200
5	231-335/001-000	231-535/001-000	200
:	:	:	
12	231-342/001-000	231-542/001-000	100
:	:	:	
21	231-351/001-000	231-551/001-000	50
22	231-352/001-000	231-552/001-000	50
23	231-353/001-000	231-553/001-000	50
24	231-354/001-000	231-554/001-000	50

Pin Spacing 7.62 mm

Pole No.	Item No. straight	Item No. angled	Pack. Unit
2	231-732/001-000	231-932/001-000	200
3	231-733/001-000	231-933/001-000	200
4	231-734/001-000	231-934/001-000	100
5	231-735/001-000	231-935/001-000	100
6	231-736/001-000	231-936/001-000	100
7	231-737/001-000	231-937/001-000	50
8	231-738/001-000	231-938/001-000	50
9	231-739/001-000	231-939/001-000	50
10	231-740/001-000	231-940/001-000	50
11	231-741/001-000	231-941/001-000	50
12	231-742/001-000	231-942/001-000	50

Accessories, 231 Series

Coding key, snap-on type,



5 mm and 5.08 mm pin spacing
light gray **231-129** 100

7.5 mm and 7.62 mm pin spacing
light gray **231-130** 100

Fixing element, horizontal,



5 mm and 7.5 mm pin spacing
gray **231-193** 100

Fixing element, horizontal,



5.08 mm and 7.62 mm pin spacing
orange **231-393** 100

Tapping screw,



for 1.8 mm Ø mounting hole
B 2.2 x 13 mm **231-194** 100

Screw with nut,



for fixing element
M 2 x 12 mm **231-195** 100

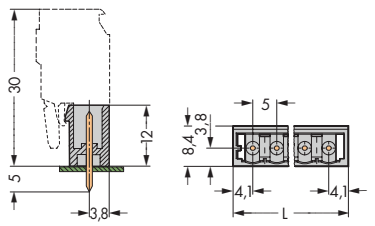
Separator, for formation of groups



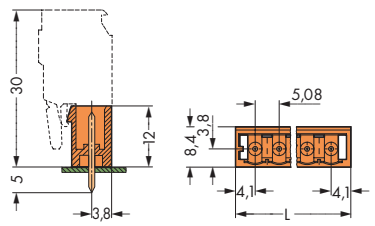
light gray **231-500** 100

Dimensions

Drilled hole diameter: 1.4 $^{+0.1}$ mm (1 x 1 mm solder pin)



Spacing 5 mm
L = (pole no. x pin spacing) + 3.2 mm
Spacing 7.5 mm
L = (pole no. – 1) x pin spacing + 8.2 mm



Spacing 5 mm
L = (pole no. x pin spacing) + 3.2 mm
Spacing 7.5 mm
L = (pole no. – 1) x pin spacing + 8.2 mm

❶ Approvals are available online at: www.wago.com.
For technical explanations and abbreviations, see technical section.

MULTI CONNECTION SYSTEM **MIDI Classic**
Male Connectors
Pin Spacing 5 mm; 5.08 mm; 7.5 mm and 7.62 mm

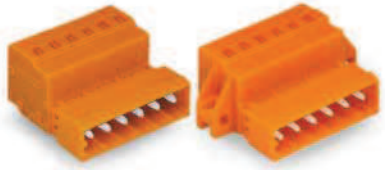
CAGE CLAMP®

Pin spacing 5 mm/0.197 in, gray
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 12 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, gray
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

Pin spacing 5.08 mm/0.2 in, orange
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 12 A | 300 V, 15 A
Pin spacing 7.62 mm/0.3 in, orange
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

Accessories

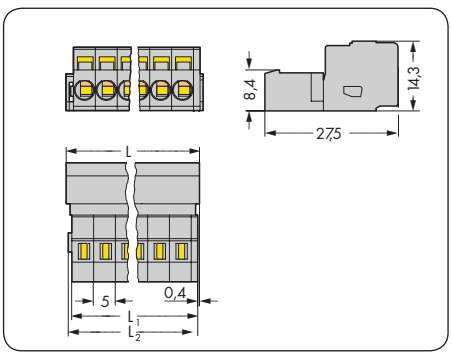


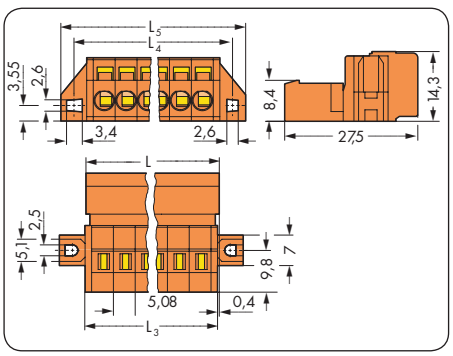


Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Male connector with CAGE CLAMP® and fixing flanges, for screw or similar mounting types, for vertical or horizontal mounting, gray				
Pin spacing 5 mm			with fixing flanges	
2	**231-602**	100	**231-602/019-000**	100
3	**231-603**	100	**231-603/019-000**	50
4	**231-604**	100	**231-604/019-000**	50
5	**231-605**	50	**231-605/019-000**	50
:	:		:	
12	**231-612**	25	**231-612/019-000**	25
:	:		:	
21	**231-621**	10	**231-621/019-000**	10
22	**231-622**	10	**231-622/019-000**	10
23	**231-623**	10	**231-623/019-000**	10
24	**231-624**	10	**231-624/019-000**	10
Pin spacing 7.5 mm (pole no. – 1) + 5 mm			with fixing flanges	
2	**731-602**	100	**731-602/019-000**	50
3	**731-603**	100	**731-603/019-000**	50
4	**731-604**	50	**731-604/019-000**	50
5	**731-605**	50	**731-605/019-000**	50
6	**731-606**	50	**731-606/019-000**	25
7	**731-607**	50	**731-607/019-000**	25
8	**731-608**	25	**731-608/019-000**	25
9	**731-609**	25	**731-609/019-000**	25
10	**731-610**	25	**731-610/019-000**	25
11	**731-611**	25	**731-611/019-000**	10
12	**731-612**	25	**731-612/019-000**	10
13	**731-613**	10	**731-613/019-000**	10
16	**731-616**	10	**731-616/019-000**	10

Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Male connector with CAGE CLAMP® and fixing flanges, for screw or similar mounting types, for vertical or horizontal mounting, orange				
Pin spacing 5.08 mm			with fixing flanges	
2	**231-632**	100	**231-632/019-000**	100
3	**231-633**	100	**231-633/019-000**	50
4	**231-634**	100	**231-634/019-000**	50
5	**231-635**	50	**231-635/019-000**	50
:	:		:	
12	**231-642**	25	**231-642/019-000**	25
:	:		:	
21	**231-651**	10	**231-651/019-000**	10
22	**231-652**	10	**231-652/019-000**	10
23	**231-653**	10	**231-653/019-000**	10
24	**231-654**	10	**231-654/019-000**	10
Pin spacing 7.62 mm (pole no. – 1) + 5.08 mm			with fixing flanges	
2	**731-632**	100	**731-632/019-000**	50
3	**731-633**	100	**731-633/019-000**	50
4	**731-634**	50	**731-634/019-000**	50
5	**731-635**	50	**731-635/019-000**	50
6	**731-636**	50	**731-636/019-000**	25
7	**731-637**	50	**731-637/019-000**	25
8	**731-638**	25	**731-638/019-000**	25
9	**731-639**	25	**731-639/019-000**	25
10	**731-640**	25	**731-640/019-000**	25
11	**731-641**	25	**731-641/019-000**	10
12	**731-642**	25	**731-642/019-000**	10

Dimensions L = (pole no. x pin spacing) + 3.2 mm L_1 = L – 1.7 mm L_2 = L – 1.2 mm
L_3 = L – 0.2 mm L_4 = L_3 + 5.8 mm L_5 = L_3 + 11.8 mm





Accessories, Series 231 and 731		Item No.	
Marking strips, 100 self-adhesive strips			
	Pin spacing 5 mm		
	1 - 12 (300 x)	**210-331/500-103**	
	13 - 24 (300 x)	**210-331/500-104**	
	Pin spacing 5.08 mm		
	1 - 12 (200 x)	**210-331/508-103**	
	13 - 24 (200 x)	**210-331/508-104**	
	Pin spacing 7.5 mm		
	1 - 16 (100 x)	**210-331/750-202**	
	Pin Spacing 7.62 mm		
	1 - 16 (100 x)	**210-331/762-202**	
Operating tool with partially insulated shaft,	type 2, (3.5x0.5) mm blade	**210-720**	1
Coding key, snap-on type,	**5 mm and 5.08 mm pin spacing**		
	light gray	**231-129**	100
	7.5 mm and 7.62 mm pin spacing		
	light gray	**231-130**	100
Insulation stop, 5 pcs/strip	**5 mm and 5.08 mm pin spacing**		
	0.08 - 0.2 mm² ❷		
	white	**231-670**	200
	0.25 - 0.5 mm²		
	light gray	**231-671**	200
	0.75 - 1 mm²		
	dark gray	**231-672**	200
	7.5 mm and 7.62 mm pin spacing		
	0.08 - 0.2 mm² ❷		
	white	**231-673**	200
	0.25 - 0.5 mm²		
	light gray	**231-674**	200
	0.75 - 1 mm²		
	dark gray	**231-675**	200
❷ 0.2 mm² "sol." (0.14 mm² "f-st")			
Tapping screw,	for 1.8 mm Ø mounting hole		
	B 2.2 x 9.5 mm	**209-147**	100
Separator, for formation of groups			
	light gray	**231-500**	100

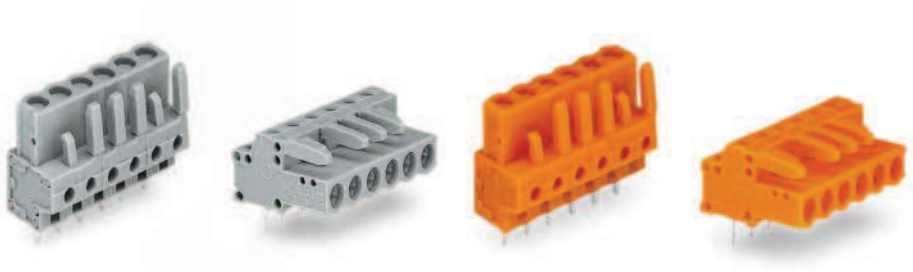
❶ Approvals are available online at: www.wago.com. * AWG 14: THHN, THWN
For technical explanations and abbreviations, see technical section.

MULTI CONNECTION SYSTEM **MIDI Classic**
Female Headers with Solder Pins
Pin Spacing 5 mm; 5.08 mm; 7.5 mm and 7.62 mm

Pin spacing 5 mm/0.197 in, gray
320 V/4 kV/3 | 300 V, 15 A
I_N 12 A
Pin spacing 7.5 mm/0.295 in, gray
630 V/6 kV/3 | 300 V, 15 A
I_N 12 A
❶ Approvals

Pin spacing 5.08 mm/0.2 in, orange
320 V/4 kV/3 | 300 V, 15 A
I_N 12 A
Pin spacing 7.62 mm/0.3 in, orange
630 V/6 kV/3 | 300 V, 15 A
I_N 12 A
❶ Approvals

Accessories



Female header with 0.6 x 1 mm solder pins, with coding fingers, with two latches, gray

Pin spacing 5 mm

Pole No.	straight Item No.	angled Item No.	Pack. Unit
2**	232-132	232-232	100
3**	232-133	232-233	100
4	232-134	232-234	100
5	232-135	232-235	100
:	:	:	
12	232-142	232-242	50
:	:	:	
21	232-151	232-251	10
22	232-152	232-252	10
23	232-153	232-253	10
24	232-154	232-254	10

Pin spacing 7.5 mm (pole no – 1) x pin spacing + 5 mm + 1.5 mm

Pole No.	straight Item No.	angled Item No.	Pack. Unit
2**	232-732	232-832	100
3**	232-733	232-833	100
4	232-734	232-834	50
5	232-735	232-835	50
6	232-736	232-836	50
7	232-737	232-837	50
8	232-738	232-838	25
9	232-739	232-839	25
10	232-740	232-840	25
11	232-741	232-841	25
12	232-742	232-842	25
13	232-743	232-843	10
16	232-746	232-846	10

**one latch only

Female header with 0.6 x 1 mm solder pins, with coding fingers, with two latches, orange

Pin spacing 5.08 mm

Pole No.	straight Item No.	angled Item No.	Pack. Unit
2**	232-162	232-262	100
3**	232-163	232-263	100
4	232-164	232-264	100
5	232-165	232-265	100
:	:	:	
12	232-172	232-272	50
:	:	:	
21	232-181	232-281	10
22	232-182	232-282	10
23	232-183	232-283	10
24	232-184	232-284	10

Pin spacing 7.62 mm (pole no – 1) x pin spacing + 5.08 mm + 1.5 mm

Pole No.	straight Item No.	angled Item No.	Pack. Unit
2**	232-762	232-862	100
3**	232-763	232-863	100
4	232-764	232-864	50
5	232-765	232-865	50
6	232-766	232-866	50
7	232-767	232-867	50
8	232-768	232-868	25
9	232-769	232-869	25
10	232-770	232-870	25
11	232-711	232-871	25
12	232-772	232-872	25

**one latch only

Accessories, 232 Series

Marking strips, 100 self-adhesive strips



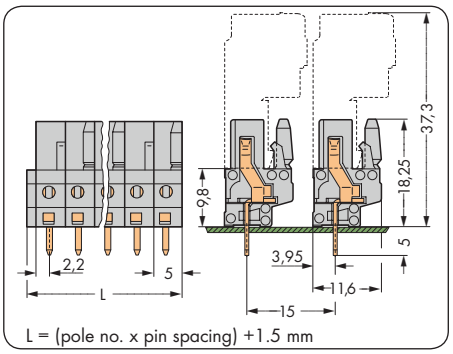
	Item No.
Pin spacing 5 mm	
1 – 12 (300 x)	210-331/500-103
13 – 24 (300 x)	210-331/500-104
Pin spacing 5.08 mm	
1 – 12 (200 x)	210-331/508-103
13 – 24 (200 x)	210-331/508-104
Pin spacing 7.5 mm	
1 – 16 (100 x)	210-331/750-202
Pin Spacing 7.62 mm	
1 – 16 (100 x)	210-331/762-202

Test plug, with 500 mm cable,

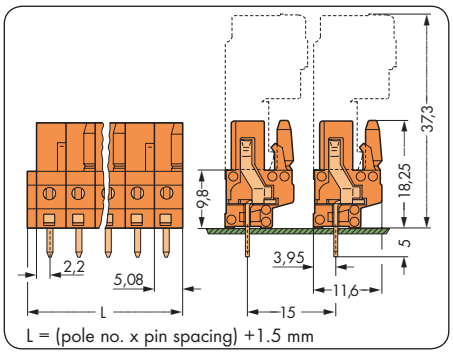


	Item No.	Pack. Unit
2 mm Ø, red	210-136	50
2.3 mm Ø, yellow	210-137	50

Dimensions



L = (pole no. x pin spacing) +1.5 mm



L = (pole no. x pin spacing) +1.5 mm

Please find the entire product range in our Full Line Catalog, Volume 2. For more information, please visit www.wago.com.

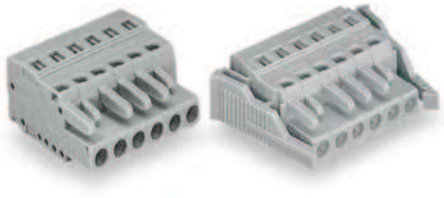
MULTI CONNECTION SYSTEM **MIDI Classic**
Female Connectors
Pin Spacing 5 mm; 5.08 mm; 7.5 mm and 7.62 mm

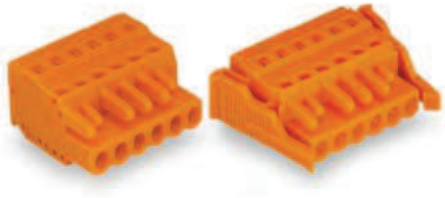
Pin spacing 5 mm/0.197 in, gray
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 16 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, gray
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

Pin spacing 5.08 mm/0.2 in, orange
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 16 A | 300 V, 15 A
Pin spacing 7.62 mm/0.3 in, orange
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

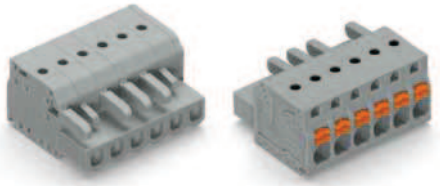
Pin spacing 5 mm/0.197 in, gray
0.2 - 2.5 mm² | AWG 24 - 12*
320 V/4 kV/3
I_N 16 A
10 - 11 mm / 0.43 in
❶ Approvals

CAGE CLAMP®





CAGE CLAMP®S

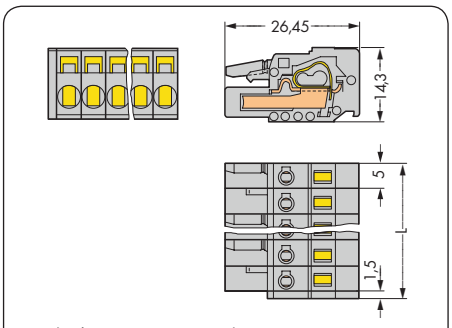


Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Female connector with CAGE CLAMP®, with coding fingers, with two latches, gray				
	Pin spacing 5 mm with locking levers			
2**	231-102/026-000	100	231-102/037-000	100
3**	231-103/026-000	100	231-103/037-000	50
4	231-104/026-000	100	231-104/037-000	50
5	231-105/026-000	100	231-105/037-000	50
:	:		:	
12	231-112/026-000	25	231-112/037-000	25
:	:		:	
21	231-121/026-000	10	231-121/037-000	10
22	231-122/026-000	10	231-122/037-000	10
23	231-123/026-000	10	231-123/037-000	10
24	231-124/026-000	10	231-124/037-000	10
	Pin spacing 7.5 mm (pole no. – 1) + 5 mm with locking levers			
2**	231-202/026-000	100	231-202/037-000	50
3**	231-203/026-000	100	231-203/037-000	50
4	231-204/026-000	50	231-204/037-000	50
5	231-205/026-000	50	231-205/037-000	50
6	231-206/026-000	50	231-206/037-000	25
7	231-207/026-000	50	231-207/037-000	25
8	231-208/026-000	25	231-208/037-000	25
9	231-209/026-000	25	231-209/037-000	25
10	231-210/026-000	25	231-210/037-000	25
11	231-211/026-000	25	231-211/037-000	10
12	231-212/026-000	25	231-212/037-000	10
13	231-213/026-000	10	231-213/037-000	10
16	231-216/026-000	10	231-216/037-000	10
** one latch only				

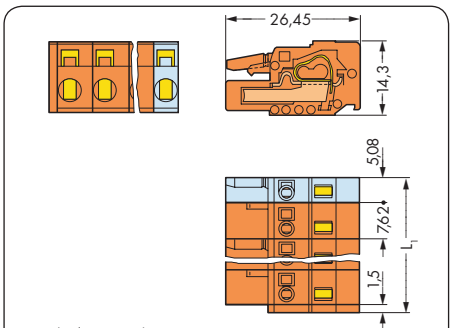
Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Female connector with CAGE CLAMP®, with coding fingers, with two latches, orange				
	Pin spacing 5.08 mm with locking levers			
2**	231-302/026-000	100	231-302/037-000	100
3**	231-303/026-000	100	231-303/037-000	50
4	231-304/026-000	100	231-304/037-000	50
5	231-305/026-000	100	231-305/037-000	50
:	:		:	
12	231-312/026-000	25	231-312/037-000	25
:	:		:	
21	231-321/026-000	10	231-321/037-000	10
22	231-322/026-000	10	231-322/037-000	10
23	231-323/026-000	10	231-323/037-000	10
24	231-324/026-000	10	231-324/037-000	10
	Pin spacing 7.62 mm (pole no. – 1) + 5.08 mm with locking levers			
2**	231-702/026-000	100	231-702/037-000	50
3**	231-703/026-000	100	231-703/037-000	50
4	231-704/026-000	50	231-704/037-000	50
5	231-705/026-000	50	231-705/037-000	50
6	231-706/026-000	50	231-706/037-000	25
7	231-707/026-000	50	231-707/037-000	25
8	231-708/026-000	25	231-708/037-000	25
9	231-709/026-000	25	231-709/037-000	25
10	231-710/026-000	25	231-710/037-000	25
11	231-711/026-000	10	231-711/037-000	10
12	231-712/026-000	10	231-712/037-000	10
** one latch only				

Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Female connector with CAGE CLAMP®S and integrated push-buttons, with coding fingers, with two latches				
	Pin spacing 5 mm gray		**Pin spacing 5.08 mm** orange	
2**	2231-102/026-000		2231-302/026-000	100
3**	2231-103/026-000		2231-303/026-000	100
4	2231-104/026-000		2231-304/026-000	100
5	2231-105/026-000		2231-305/026-000	100
:	:		:	
12	2231-112/026-000		2231-312/026-000	50
:	:		:	
21	2231-121/026-000		2231-321/026-000	10
22	2231-122/026-000		2231-322/026-000	10
23	2231-123/026-000		2231-323/026-000	10
24	2231-124/026-000		2231-324/026-000	10
	Pin spacing 7.5 mm gray		**Pin Spacing 7.62 mm** orange	
2**	2231-202/026-000		2231-702/026-000	100
3**	2231-203/026-000		2231-703/026-000	100
4	2231-204/026-000		2231-704/026-000	50
5	2231-205/026-000		2231-705/026-000	50
6	2231-206/026-000		2231-706/026-000	50
7	2231-207/026-000		2231-707/026-000	50
8	2231-208/026-000		2231-708/026-000	25
:	:		:	
12	2231-212/026-000		2231-712/026-000	25
13	2231-213/026-000			10
16	2231-216/026-000			10
** one latch only				

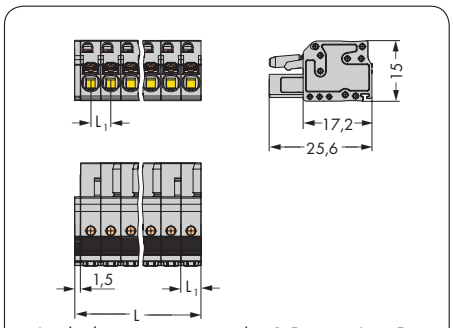
Dimensions



L = (pole no. x pin spacing) +1.5 mm



L_1 = (pole no. – 1) x pin spacing + 5.08 mm +1.5 mm



L = (pole no. x pin spacing) + 1.5 mm L_1 = 5 mm

❶ Approvals are available online at: www.wago.com. * AWG 12: THHN, THWN
For technical explanations and abbreviations, see technical section.

Female Connectors with Snap-In Mounting Feet
Pin Spacing 5 mm; 5.08 mm; 7.5 mm and 7.62 mm

Pin spacing 5 mm/0.197 in, gray
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 16 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, gray
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

Pin spacing 5.08 mm/0.2 in, orange
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 16 A | 300 V, 15 A
Pin spacing 7.62 mm/0.3 in, orange
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

Accessories





Female connector with CAGE CLAMP® and fixing flanges for panel mounting, with coding fingers, with two latches, for screw or similar mounting types, gray

and snap-in mounting feet, for 0.6 – 1.2 mm plate thickness, 3.5 mm Ø mounting holes, or with 209-137 mounting adapter for DIN 35 rail

Pin spacing 5 mm

Pole No.	with fixing flanges Item No.	Pack. Unit	with snap-in mounting feet Item No.	Pack. Unit
2**	231-102/031-000	100	231-102/008-000	100
3**	231-103/031-000	50	231-103/008-000	100
4	231-104/031-000	50	231-104/008-000	100
5	231-105/031-000	50	231-105/008-000	100
:	:		:	
12	231-112/031-000	25	231-112/008-000	25
:	:		:	
22	231-122/031-000	10	231-122/008-000	10
23	231-123/031-000	10	231-123/008-000	10
24	231-124/031-000	10	231-124/008-000	10

Pin spacing 7.5 mm (pole no. – 1) + 5 mm

Pole No.	with fixing flanges Item No.	Pack. Unit	with snap-in mounting feet Item No.	Pack. Unit
2**			231-202/008-000	100
3**	231-203/031-000	50	231-203/008-000	100
4	231-204/031-000	50	231-204/008-000	50
5	231-205/031-000	50	231-205/008-000	50
6	231-206/031-000	25	231-206/008-000	50
7	231-207/031-000	25	231-207/008-000	50
8	231-208/031-000	25	231-208/008-000	25
:	:		:	
16	231-216/031-000	10	231-216/008-000	10

** one latch only

Female connector with CAGE CLAMP® and fixing flanges for panel mounting, with coding fingers, with two latches, for screw or similar mounting types, orange

and snap-in mounting feet, for 0.6 – 1.2 mm plate thickness, 3.5 mm Ø mounting holes, or with 209-137 mounting adapter for DIN 35 rail

Pin spacing 5.08 mm

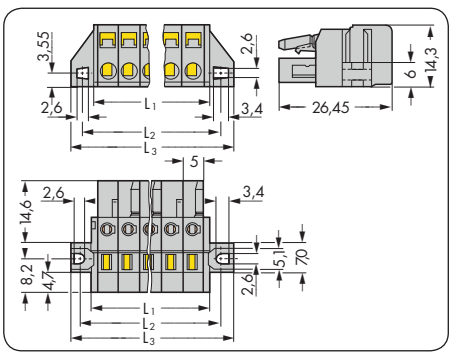
Pole No.	with fixing flanges Item No.	Pack. Unit	with snap-in mounting feet Item No.	Pack. Unit
2**	231-302/031-000	100	231-302/008-000	100
3**	231-303/031-000	50	231-303/008-000	100
4	231-304/031-000	50	231-304/008-000	100
5	231-305/031-000	50	231-305/008-000	100
:	:		:	
12	231-312/031-000	25	231-312/008-000	25
:	:		:	
22	231-322/031-000	10	231-322/008-000	10
23	231-323/031-000	10	231-323/008-000	10
24	231-324/031-000	10	231-324/008-000	10

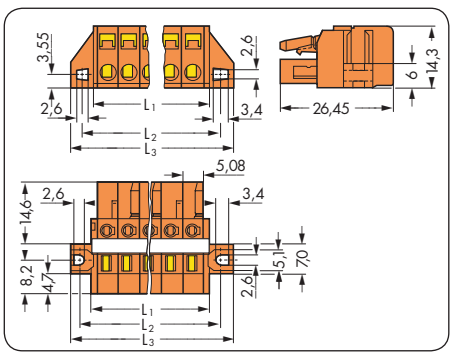
Pin spacing 7.62 mm (pole no. – 1) + 5.08 mm

Pole No.	with fixing flanges Item No.	Pack. Unit	with snap-in mounting feet Item No.	Pack. Unit
2**	231-702/031-000	50	231-702/008-000	100
3**	231-703/031-000	50	231-703/008-000	100
4	231-704/031-000	50	231-704/008-000	50
5	231-705/031-000	50	231-705/008-000	50
6	231-706/031-000	25	231-706/008-000	50
7	231-707/031-000	25	231-707/008-000	50
8	231-708/031-000	25	231-708/008-000	25
:	:		:	
12	231-712/031-000	10	231-712/008-000	25

** one latch only

Dimensions L_1 = (pole no. x pin spacing) +3 mm L_2 = (pole no. x pin spacing) + 8.8 mm
L_3 = (pole no. x pin spacing) +14.8 mm





Accessories, 231 and 2231 Series

Marking strips, 100 self-adhesive strips



	Item No.	
Pin spacing 5 mm		
1 – 12 (300 x)	210-331/500-103	
13 – 24 (300 x)	210-331/500-104	
Pin spacing 5.08 mm		
1 – 12 (200 x)	210-331/508-103	
13 – 24 (200 x)	210-331/508-104	
Pin spacing 7.5 mm		
1 – 16 (100 x)	210-331/750-202	
Pin Spacing 7.62 mm		
1 – 16 (100 x)	210-331/762-202	

Insulation stop, 5 pcs/strip,



	Item No.	
5 mm and 5.08 mm pin spacing		
0.08 – 0.2 mm² ❷		
white	231-670	200
0.25 – 0.5 mm²		
light gray	231-671	200
0.75 – 1 mm²		
dark gray	231-672	200
7.5 mm and 7.62 mm pin spacing		
0.08 – 0.2 mm² ❷		
white	231-673	200
0.25 – 0.5 mm²		
light gray	231-674	200
0.75 – 1 mm²		
dark gray	231-675	200

❷ 0.2 mm² "sol." (0.14 mm² "f-st")

Test plug, with 500 mm cable,



	Item No.	
2 mm Ø, red	210-136	50
2.3 mm Ø, yellow	210-137	50

Mounting adapter, for DIN 35 rail,



	Item No.	
3 or more poles		
gray	209-137	1

Tapping screw,



	Item No.	
for 1.8 mm Ø mounting hole		
B 2.2 x 9.5		
	209-147	100

Operating tool with partially insulated shaft,



	Item No.	
type 2, (3.5x0.5) mm blade		
	210-720	1

MULTI CONNECTION SYSTEM **MIDI Classic**
Angled Female Connectors for Panel Mounting
Pin Spacing 5 mm and 7.5 mm, Multi Mounting Adapter, Test Plug Adapters

CAGE CLAMP®

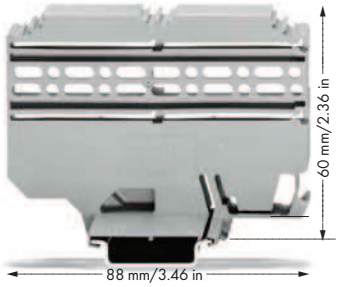
Pin spacing 5 mm/0.197 in, gray
0.08 - 2.5 mm² | AWG 28 - 12*
320 V/4 kV/3, 12 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, gray
630 V/6 kV/3 | 300 V, 15 A
8 - 9 mm / 0.33 in
❶ Approvals

Multi mounting adapter
for male and female connectors
with snap-in mounting feet

Adapter width 10 mm/0.394 in

Test plug adapter for female connectors
Pin spacing 5 mm; 5.08 mm; 7.5 mm and 7.62 mm
0.08 - 2.5 mm² | AWG 28 - 12
320 V/4 kV/3
I_N 12 A
8 - 9 mm / 0.33 in
❶ Approvals



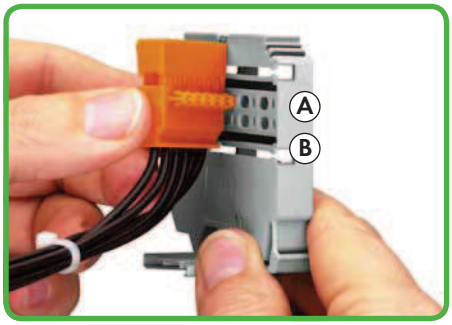




Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Angled female connector with CAGE CLAMP® and fixing flanges for panel mounting,				
for screw or similar mounting types, gray				
and snap-in mounting feet, for 0.6 – 1.2 mm plate thickness,				
3.5 mm Ø mounting holes				
Pin spacing 5 mm				
	with fixing flanges		with snap-in mounting feet	
2	**731-502/031-000**	100	**731-502/008-000**	100
3	**731-503/031-000**	50	**731-503/008-000**	50
4	**731-504/031-000**	50	**731-504/008-000**	50
5	**731-505/031-000**	50	**731-505/008-000**	50
:	:		:	
12	**731-512/031-000**	25	**731-512/008-000**	25
:	:		:	
17	**731-517/031-000**	10	**731-517/008-000**	25
18	**731-518/031-000**	10	**731-518/008-000**	25
19	**731-519/031-000**	10	**731-519/008-000**	10
20	**731-520/031-000**	10	**731-520/008-000**	10
Pin spacing 7.5 mm (pole no. – 1) + 5 mm				
	with fixing flanges		with snap-in mounting feet	
2	**731-532/031-000**	50	**731-532/008-000**	100
3	**731-533/031-000**	50	**731-533/008-000**	50
4	**731-534/031-000**	50	**731-534/008-000**	50
5	**731-535/031-000**	50	**731-535/008-000**	50
6	**731-536/031-000**	25	**731-536/008-000**	50
7	**731-537/031-000**	25	**731-537/008-000**	50
:	:		:	
10	**731-540/031-000**	25	**731-540/008-000**	25
11	**731-541/031-000**	10	**731-541/008-000**	25
12	**731-542/031-000**	10	**731-542/008-000**	10
13	**731-543/031-000**	10	**731-543/008-000**	10
16	**731-546/031-000**	10	**731-546/008-000**	10

Dimensions (see also page 103)

Color	Item No.	Pack. Unit
Multi mounting adapter		
gray	**209-148**	25



If either the male or the female connector is equipped with mounting feet and mounted on the adapter via its oblong holes or open grooves (A/B), but the mating half is not, then the connection remains pluggable.

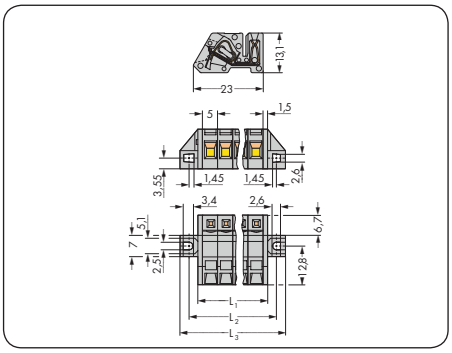


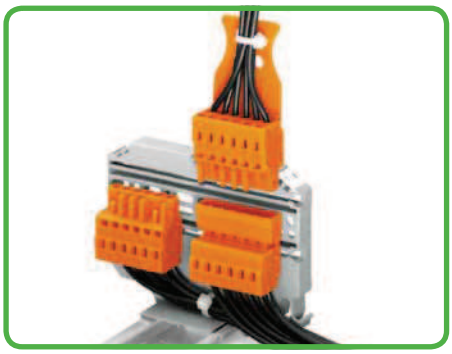
The adapter can be marked either with WMB or miniature WSB markers.
For marking accessories, see Section 6.

	Item No.	Pack. Unit
Test plug adapter for female connector,		
with CAGE CLAMP® connection		
0.08–2.5 mm² (AWG 28–14), light gray		
5 mm and 5.08 mm pin spacing	**231-661**	100
7.5 mm and 5.08 mm pin spacing	**231-662**	100

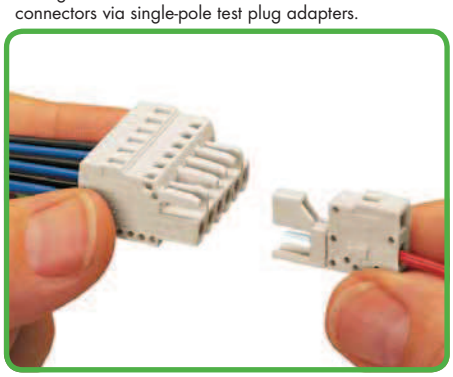
Accessories, 731 Series

Test plug, with 500 mm cable,		
2 mm Ø, red	**210-136**	50
2.3 mm Ø, yellow	**210-137**	50
Operating lever, for male and female connectors with CAGE CLAMP®	**231-131**	25
Screw with nut, M 2 x 12, for fixing element	**231-195**	100
Operating tool with partially insulated shaft, type 2, (3.5x0.5) mm blade	**210-720**	1
Marking strips, 100 self-adhesive strips		
Spacing 5 mm		
1–12 (300 x)	**210-331/0500-0103**	
13–24 (300 x)	**210-331/0500-0104**	
Spacing 7.5 mm		
1–16 (100 x)	**210-331/0750-0202**	





Testing *MULTI CONNECTION SYSTEM* **MIDI** female connectors via single-pole test plug adapters.



❶ Approvals are available online at: www.wago.com.
For technical explanations and abbreviations, see technical section.

* AWG 12: THHN, THWN

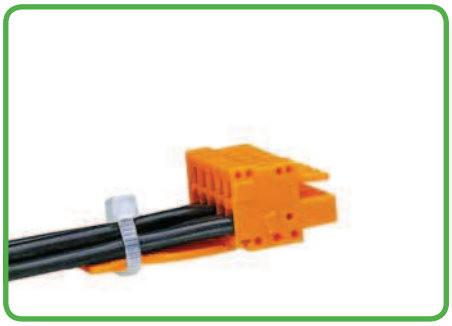
MULTI CONNECTION SYSTEM **MINI and MIDI**
Strain Relief Plates and Snap-on Type Strain Relief Housings

Strain relief plates suitable for:
– female connectors with CAGE CLAMP®
– male connectors with CAGE CLAMP®

MULTI CONNECTION SYSTEM **MINI**
734 Series

MULTI CONNECTION SYSTEM **MIDI**
231, 721 and 731 Series

Snap-on type strain relief housings for:
– female connectors with CAGE CLAMP®
– male connectors with CAGE CLAMP®







Width	Item no. suffix
Strain relief plate, pre-assembled, **for 734 Series**	
6 mm	**…/032-000**
12.5 mm	**…/033-000**
25 mm	**…/034-000**
35 mm	**…/035-000**
55 mm	**…/036-000**
Ordering example:	
Female connector with strain relief plate, 3.81 mm pin spacing, 5-pole, orange	**734-205/033-000**

Width	Item no. suffix
Strain relief plate, pre-assembled, **for 231, 721 and 731 Series**	
11.5 mm	**…/032-000**
20 mm	**…/033-000**
30 mm	**…/034-000**
50 mm	**…/035-000**
Ordering example:	
Male connector with strain relief plate, 5 mm pin spacing, 8-pole, light gray,	**721-608/034-000**

Strain relief plate, loose, **for 734 Series**

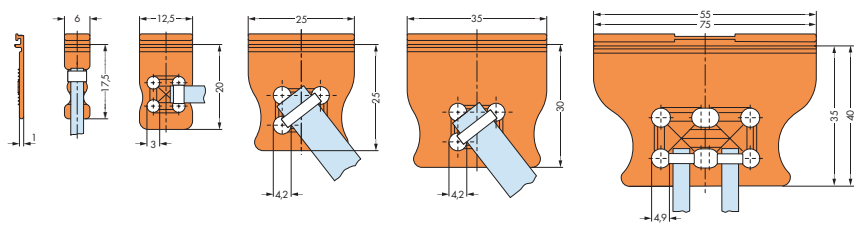
Item No.	Color	Pole No.	Width
734-127 **734-227**	light gray orange	2 - 4	6 mm
734-128 **734-228**	light gray orange	4 - 8	12.5 mm
734-129 **734-229**	light gray orange	5 - 12	25 mm
734-126 **734-226**	light gray orange	13 - 16	35 mm
734-426 **734-428**	light gray orange	max. 17	55 mm

Both male and female connectors with CAGE CLAMP®S can be retrofitted with a strain relief plate or pre-assembled with one at the factory. Plates are available in 5 different sizes.

An "item no. suffix", referring to the width of the strain relief plate, is added to the "basic item no." and determines the type of male or female connector (see ordering examples).

The arrangement of the attachments for cable ties allows single conductors or multi-core cables to be secured in different ways.

Dimensions of loose strain relief plates:



Pole No.	Item No.	Item No.	Pack. Unit
Snap-on type strain relief housing, consists of strain relief support and housing, **for 734 Series**			
	Pin spacing 3.5 mm light gray	Pin spacing 3.81 mm orange	
2	○**734-602** ❷	●**734-632** ❷	50
3	○**734-603** ❷	●**734-633** ❷	25
:	:	:	
6	○**734-606**	●**734-636**	25
7	○**734-607**	–	25
8	○**734-608**	●**734-638**	25
9	○**734-609**	●**734-639**	25
10	○**734-610**	●**734-640**	25
12	○**734-612**	●**734-642**	25
for 231 and 721 Series			
	Pin spacing 5 mm	Pin spacing 5.08 mm	
2	○**232-602**	●**232-632**	25
3	○**232-603**	●**232-633**	25
:	:	:	
6	○**232-606**	●**232-636**	25
7	○**232-607**	–	25
8	○**232-608**	●**232-638**	25
9	○**232-609**	●**232-639**	25
10	○**232-610**	●**232-640**	25
12	○**232-612**	●**232-642**	25
for 231, 721 and 731 Series			
	Pin spacing 7.5 mm	Pin Spacing 7.62 mm	
2	○**232-662** ❸	●**232-682** ❸	25
3	○**232-663** ❸	●**232-683** ❸	25
4	○**232-664**	●**232-684**	25
5	○**232-665**	●**232-685**	25
7	○**232-667**	●**232-687**	25

Cable clamp, for strain relief — **209-177** — 25



for **pole no.**	**Spacing** in mm
6- to 12-pole	3,5 + 3,81
4- to 6-pole	5 + 5,08
3-pole	7,5 + 7,62

Cable clamp, for strain relief — **209-174** — 25

7 or more poles	5 + 5,08
5 or more poles	7,5 + 7,62

Fixing screws, for cable clamp — **209-176** — 50



for **pole no.**	**Spacing** in mm
4- to 6-pole	5 + 5,08
3-pole	7,5 + 7,62

Fixing screws, for cable clamp — **209-172** — 50

6- to 12-pole	3,5 + 3,81

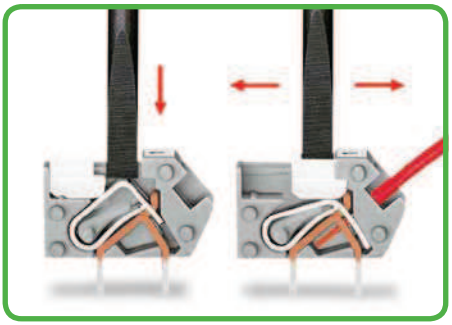
Fixing screws, for cable clamp — **209-173** — 50

7 or more poles	5 + 5,08
5 or more poles	7,5 + 7,62

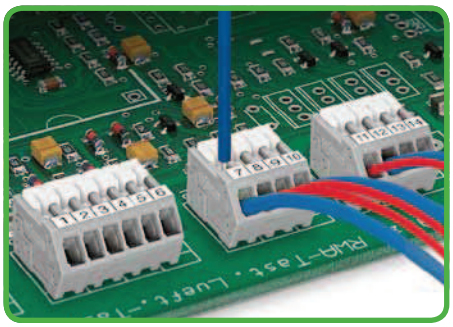
❷ 2 to 5 poles only suitable for cable ties (734 Series), ❸ 2 to 3 poles only suitable for cable ties (231, 721 and 731 Series)

PCB Terminal Strips, Description and Handling 218, 233 and 234 Series

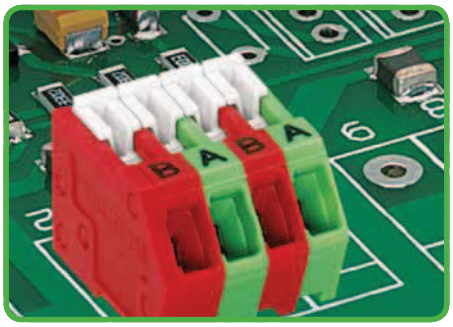
218 Series



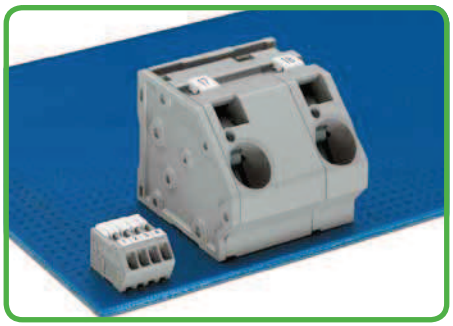
Conductor termination: To momentarily open clamping unit, use screwdriver and then insert stripped conductor. To open clamping unit for extended period, move locking slide toward conductor entry hole. Then fully insert stripped conductor and move locking slide back to original position (also possible to perform with fingernail).



Testing directly on the clamping spring.
Marking with self-adhesive marking strips.

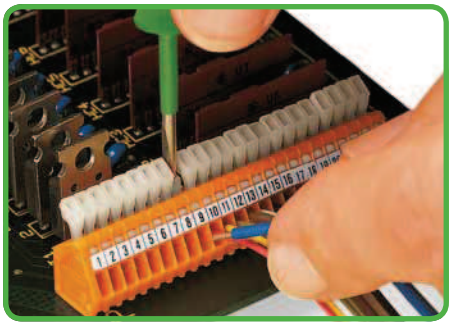


Factory direct printing.

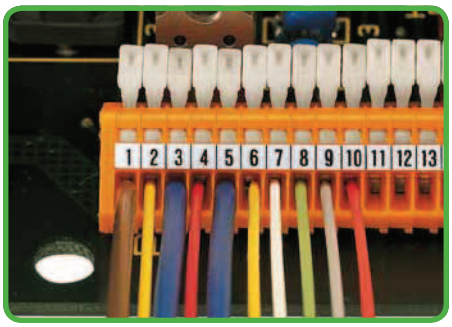


Size comparison between 218 Series and 745 Series high-current terminal blocks.

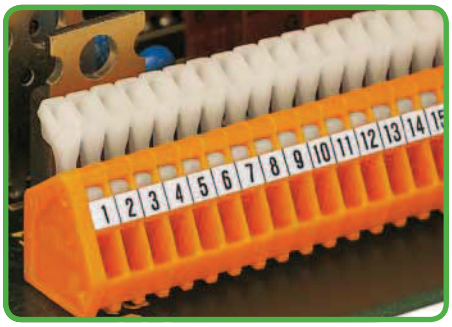
233 Series



Inserting/removing conductor.

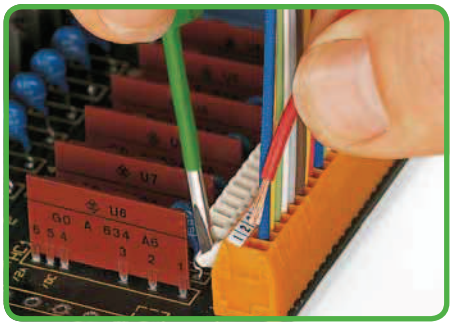


Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



Marking via self-adhesive marking strips (see figure) or factory direct printing.

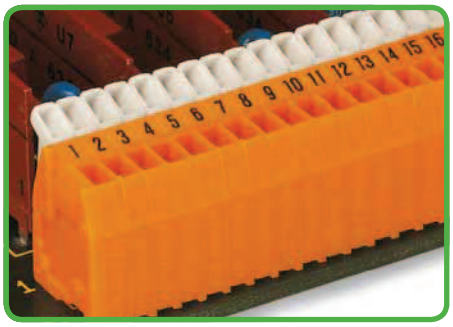
234 Series



Inserting/removing conductor.



Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



Marking via factory direct printing (see figure) or self-adhesive marking strips.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip-bonded



with ferrule

Strip length, see packaging or instructions.

Terminal Strips with Locking Slides 0.5 mm²
Pin Spacing 2.5 mm and 2.54 mm
218 Series

Pin spacing 2.5 mm / 0.098 in
0.08 - 0.5 mm² ❶ | AWG 28 - 20 ❶
160 V/2.5 kV/2 | 150 V, 4 A
I_N 6 A
5 - 6 mm / 0.22 in
❷ Approvals

Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❶ | AWG 28 - 20 ❶
160 V/2.5 kV/2 | 150 V, 4 A
I_N 6 A
5 - 6 mm / 0.22 in
❷ Approvals

Accessories





Pole No.	Item No.	Pack. Unit
1-conductor terminal strip with locking slides,		
2 solder pins/pole in line, gray,		
locking slides, white		
2	**218-102**	1000 (10x100)
3	**218-103**	1000 (10x100)
4	**218-104**	500 (5x100)
5	**218-105**	500 (5x100)
6	**218-106**	280 (4x70)
7	**218-107**	240 (4x60)
8	**218-108**	220 (4x55)
9	**218-109**	200 (4x50)
10	**218-110**	180 (4x45)
11	**218-111**	160 (4x40)
12	**218-112**	140 (4x35)
13	**218-113**	140 (4x35)
14	**218-114**	120 (4x30)
15	**218-115**	120 (4x30)
16	**218-116**	100 (4x25)
:	:	
21	**218-121**	80 (4x20)
22	**218-122**	80 (4x20)
23	**218-123**	80 (4x20)
24	**218-124**	60 (4x15)

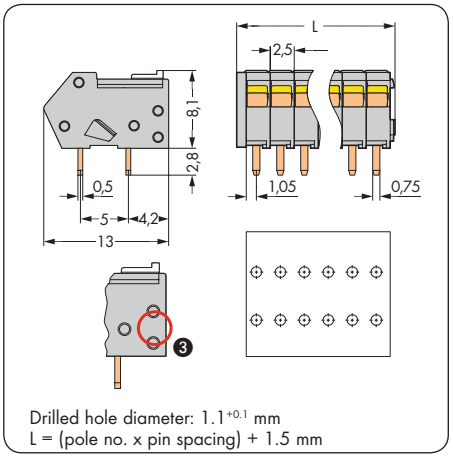
Pole No.	Item No.	Pack. Unit
1-conductor terminal strip with locking slides,		
2 solder pins/pole in line, gray,		
locking slides, white		
2	**218-502**	1000 (10x100)
3	**218-503**	1000 (10x100)
4	**218-504**	500 (5x100)
5	**218-505**	500 (5x100)
6	**218-506**	280 (4x70)
7	**218-507**	240 (4x60)
8	**218-508**	220 (4x55)
9	**218-509**	200 (4x50)
10	**218-510**	180 (4x45)
11	**218-511**	160 (4x40)
12	**218-512**	140 (4x35)
13	**218-513**	140 (4x35)
14	**218-514**	120 (4x30)
15	**218-515**	120 (4x30)
16	**218-516**	100 (4x25)
:	:	
21	**218-521**	80 (4x20)
22	**218-522**	80 (4x20)
23	**218-523**	80 (4x20)
24	**218-524**	60 (4x15)

Item no. suffix for terminal strips in	
red	**. . . /000-005**
blue	**. . . /000-006**
orange	**. . . /000-012**
green	**. . . /000-023**
Locking slides, white	

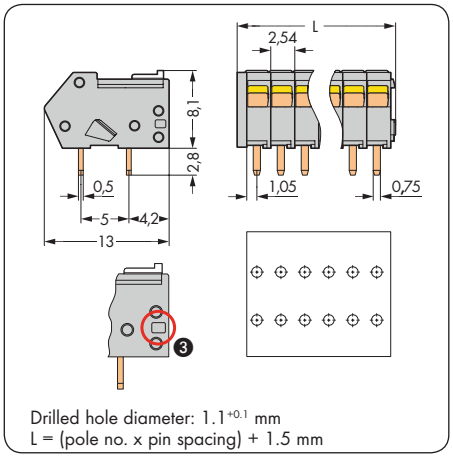
Ordering example:
Terminal strip, 2.5 mm pin spacing, 8-pole, orange
2 solder pins in line **218-108/000-012**

Accessories, 218 Series	Item No.	
Marker cards,		
	100 self-adhesive strips per card	
	Pin spacing 2.5 mm	
	1-16 (400x)	**210-331/250-202**
	17-32 (400x)	**210-331/250-204**
	Pin spacing 2.54 mm	
	1-16 (400x)	**210-331/254-202**
	17-32 (400x)	**210-331/254-204**
For direct printing, please contact factory.		
Test pin, 1 mm Ø,		
	with solder connection for test cable	**735-500** 1
Operating tool with partially insulated shaft,		
	type 1, (2.5 x 0.4) mm blade	**210-719** 1
Operating tool, partially insulated		
		**233-335** 1
	insulated	**233-332** 25

Dimensions



Drilled hole diameter: 1.1$^{+0.1}$ mm
L = (pole no. x pin spacing) + 1.5 mm



Drilled hole diameter: 1.1$^{+0.1}$ mm
L = (pole no. x pin spacing) + 1.5 mm

❶ 0.75 mm²/AWG 18 only in every other position

❸ A groove at the back of the terminal strip differentiates between the two pin spacings.

❷ Approvals are available online at: www.wago.com.

For technical explanations and abbreviations, see technical section.

WAGO®

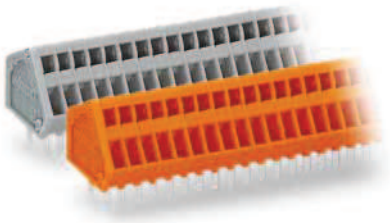
PCB Terminal Strips 0.5 mm²
Pin Spacing 2.5 mm and 2.54 mm
233 and 234 Series

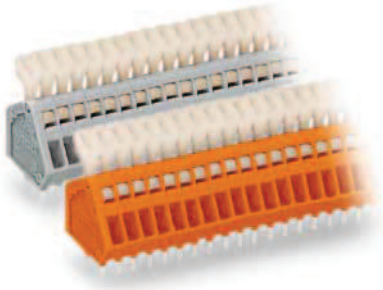
CAGE CLAMP®

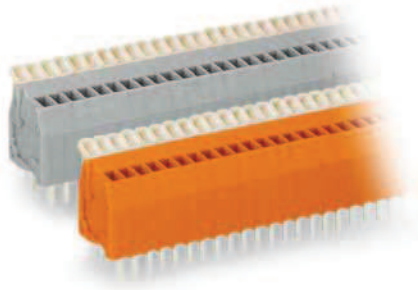
Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
250 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals

Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
160 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals

Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
160 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals







Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip without push-buttons,			
standard lengths, other lengths upon request,			
2 solder pins/pole			
Pin spacing	2.5 mm gray	2.54 mm orange	
2	**233-102**	**233-402**	600 (6x100)
3	**233-103**	**233-403**	500 (4x125)
4	**233-104**	**233-404**	400 (4x100)
5	**233-105**	**233-405**	340 (4x85)
6	**233-106**	**233-406**	280 (4x70)
7	**233-107**	**233-407**	240 (4x60)
8	**233-108**	**233-408**	220 (4x55)
9	**233-109**	**233-409**	200 (4x50)
10	**233-110**	**233-410**	180 (4x45)
12	**233-112**	**233-412**	140 (4x35)
16	**233-116**	**233-416**	100 (4x25)
24	**233-124**	**233-424**	80 (4x20)
Terminal strips without push-buttons cannot be retrofitted with push-buttons!			
For other colors, please contact factory.			

Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip with push-buttons,			
standard lengths, other lengths upon request,			
2 solder pins/pole			
Pin spacing	2.5 mm gray	2.54 mm orange	
2	**233-202**	**233-502**	600 (6x100)
3	**233-203**	**233-503**	500 (4x125)
4	**233-204**	**233-504**	400 (4x100)
5	**233-205**	**233-505**	340 (4x85)
6	**233-206**	**233-506**	280 (4x70)
7	**233-207**	**233-507**	240 (4x60)
8	**233-208**	**233-508**	220 (4x55)
9	**233-209**	**233-509**	200 (4x50)
10	**233-210**	**233-510**	180 (4x45)
12	**233-212**	**233-512**	140 (4x35)
16	**233-216**	**233-516**	100 (4x25)
24	**233-224**	**233-524**	80 (4x20)
For other colors, please contact factory.			

Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip with push-buttons,			
standard lengths, other lengths upon request,			
2 solder pins/pole			
Pin spacing	2.5 mm gray	2.54 mm orange	
2	**234-202**	**234-502**	600 (6x100)
3	**234-203**	**234-503**	520 (4x130)
4	**234-204**	**234-504**	400 (4x100)
5	**234-205**	**234-505**	340 (4x85)
6	**234-206**	**234-506**	280 (4x70)
7	**234-207**	**234-507**	240 (4x60)
8	**234-208**	**234-508**	220 (4x55)
9	**234-209**	**234-509**	200 (4x50)
10	**234-210**	**234-510**	180 (4x45)
12	**234-212**	**234-512**	140 (4x35)
16	**234-216**	**234-516**	100 (4x25)
24	**234-224**	**234-524**	80 (4x20)
For other colors, please contact factory.			

Accessories, 233 and 234 Series

Marker cards, 100 self-adhesive



strips per card

Marking	Pin spacing 2.5 mm	Pin spacing 2.54 mm
1-16 (400 x)	**210-331/250-202**	**210-331/254-202**
17-32 (400 x)	**210-331/250-204**	**210-331/254-204**
33-48 (400 x)	**210-331/250-206**	**210-331/254-206**

For direct printing, please contact factory.

Operating tool, for professional wiring of terminal strips



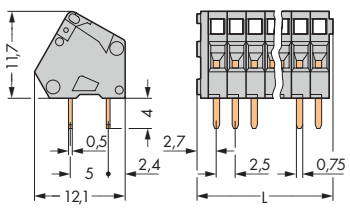
partially insulated **233-335** 1
insulated **233-332** 25

Operating tool with partially insulated shaft,

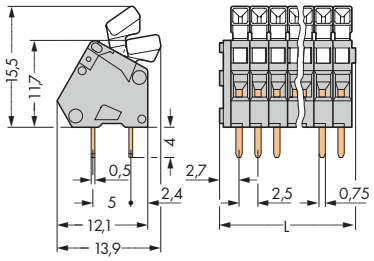


type 1, (2.5 x 0.4)mm blade
210-719 1

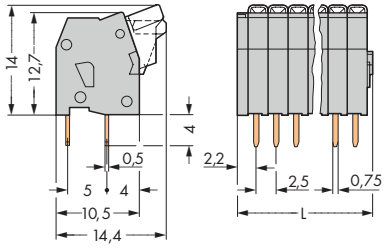
Dimensions



Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.3 mm



Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.3 mm



Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.2 mm

❶ Approvals are available online at: www.wago.com.
For technical explanations and abbreviations, see technical section.

❷ 0.75 mm²/AWG 18 only in every other position