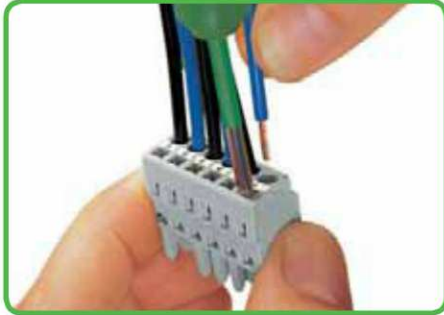


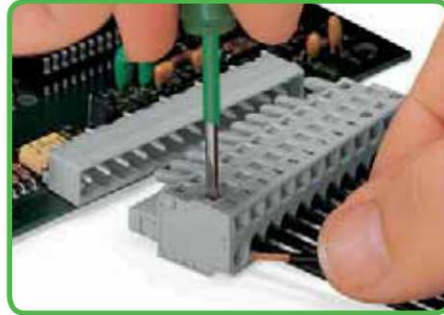
# MULTI CONNECTION SYSTEM *MIDI*

## Description and Handling

### CAGE CLAMP® connection



Conductor termination using a screwdriver 3.5 mm/ 0.137 in:  
Conductor entry and operation of the clamp are parallel.

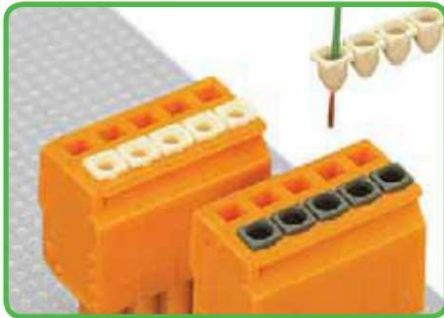


Conductor termination using a screwdriver 3.5 mm/ 0.137 in:  
Conductor entry and clamp operation are perpendicular.

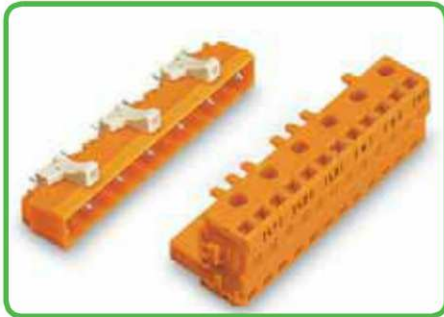


Conductor termination – side-entry wiring with snap-on lever (231-131).

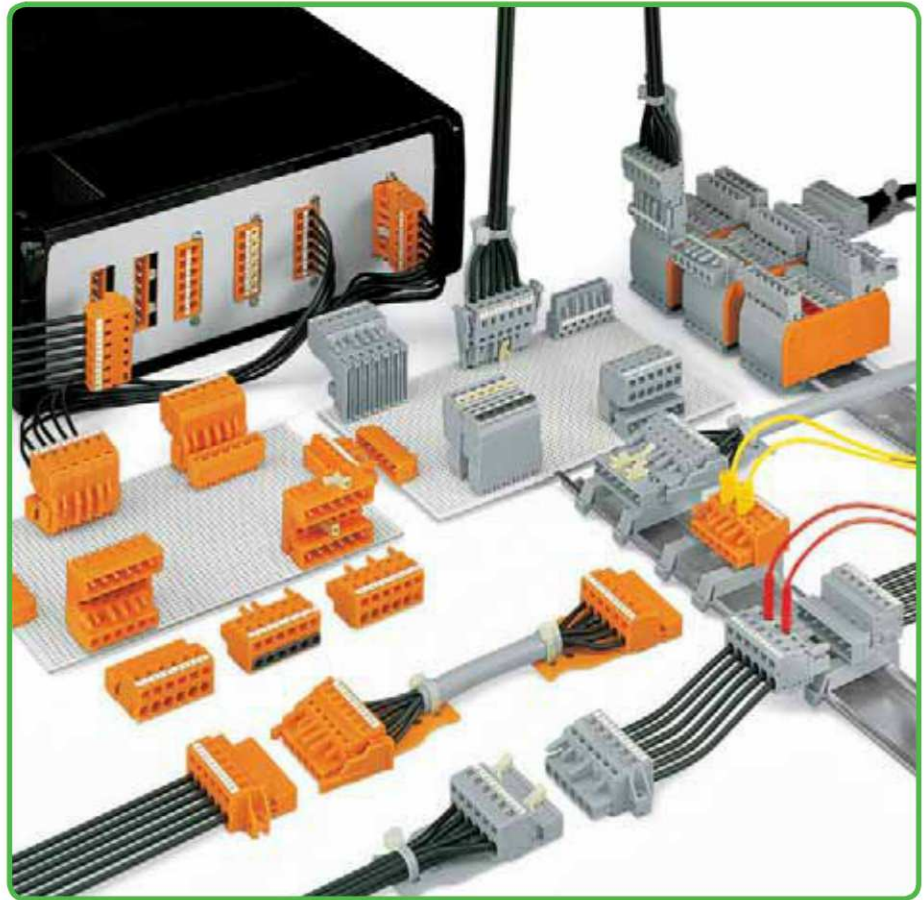
### Insulation stop



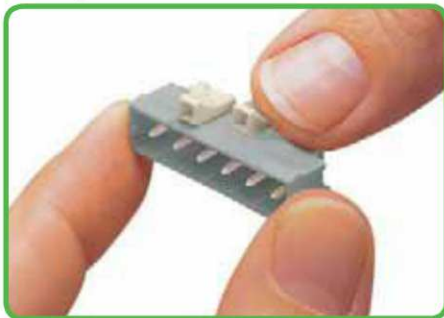
Pin spacings 10 mm/0.394 in and 10.16 mm/0.4 in



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



### Coding

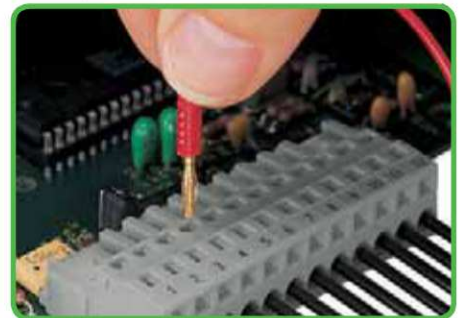


Coding a header – fitting of coding key(s).



Coding a female connector – removal of coding finger(s).

### Testing



Testing with test plug  $\varnothing$  2 mm/0.079 in or  $\varnothing$  2.3 mm/0.091 in.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip bonded



with crimped ferrule



with crimped pin terminal











Strip length, see packaging or instructions.

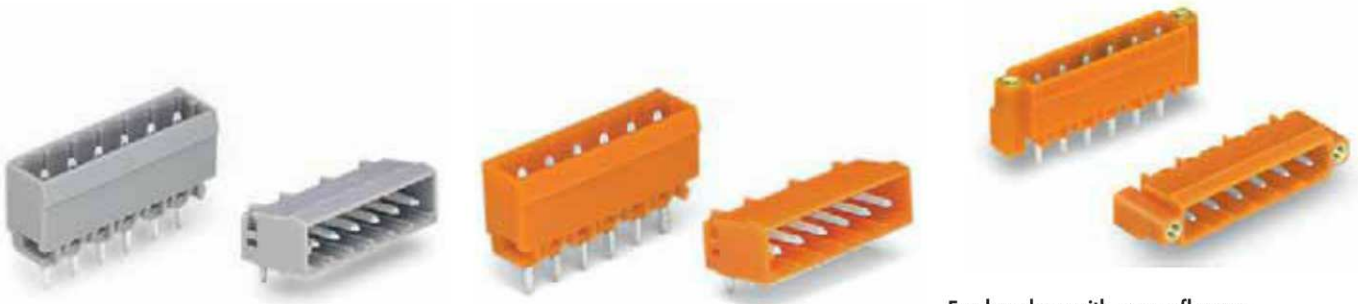


# MULTI CONNECTION SYSTEM **MIDI**

## Headers with Solder Pins

Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in and 7.62 mm/0.3 in

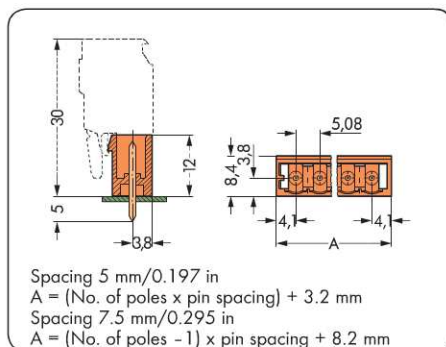
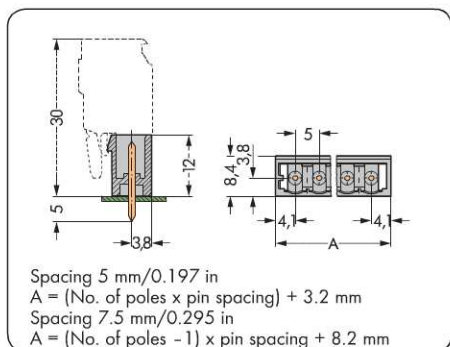
<p>Pin spacing 5 mm/0.197 in, gray 250 V/4 kV/3   300 V, 10 A   I<sub>N</sub> 12 A</p> <p>Pin spacing 7.5 mm/0.295 in, gray 400 V/6 kV/3   300 V, 10 A   I<sub>N</sub> 12 A</p> <p> Approvals</p>	<p>Pin spacing 5.08 mm/0.2 in, orange 250 V/4 kV/3   300 V, 10 A   I<sub>N</sub> 12 A</p> <p>Pin spacing 7.62 mm/0.3 in, orange 400 V/6 kV/3   300 V, 10 A   I<sub>N</sub> 12 A</p> <p> Approvals</p>	<p>Accessories</p>
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For headers with screw flanges, see Full Line Catalog, Volume 2

No. of poles	Item No.	Item No.	No. of poles	Item No.	Item No.	Accessories, Series 231	Item No.
Header with solder pins, gray solder pin (1 x 1) mm/(0.039 x 0.039) in			Header with solder pins, orange solder pin (1 x 1) mm/(0.039 x 0.039) in			Coding key, snap-on type,	
Pin spacing 5 mm/0.197 in			Pin spacing 5.08 mm/0.2 in			Spacings 5 mm/0.197 in and 5.08 mm/0.2 in	
straight		angled	straight		angled	light gray 231-129	
2	231-132/001-000	231-432/001-000	2	231-332/001-000	231-532/001-000	Spacings 7.5 mm/0.295 in and 7.62 mm/0.3 in	
3	231-133/001-000	231-433/001-000	3	231-333/001-000	231-533/001-000	light gray 231-130	
4	231-134/001-000	231-434/001-000	4	231-334/001-000	231-534/001-000	Fixing element, horizontal,	
:	:	:	:	:	:	Spacings 5 mm/0.197 in and 7.5 mm/0.295 in	
12	231-142/001-000	231-442/001-000	12	231-342/001-000	231-542/001-000	gray 231-193	
:	:	:	:	:	:	Fixing element, horizontal,	
21	231-151/001-000	231-451/001-000	21	231-351/001-000	231-551/001-000	Spacings 5.08 mm/0.2 in and 7.62 mm/0.3 in	
22	231-152/001-000	231-452/001-000	22	231-352/001-000	231-552/001-000	orange 231-393	
23	231-153/001-000	231-453/001-000	23	231-353/001-000	231-553/001-000	Tapping screw,	
24	231-154/001-000	231-454/001-000	24	231-354/001-000	231-554/001-000	fixing hole Ø 1.8 mm/0.07 in B 2.2 x 13 231-194	
Pin spacing 7.5 mm/0.295 in			Pin spacing 7.62 mm/0.3 in			M 2 x 12 screw with nut,	
straight		angled	straight		angled	for fixing element	
2	231-232/001-000	231-832/001-000	2	231-732/001-000	231-932/001-000	231-195	
3	231-233/001-000	231-833/001-000	3	231-733/001-000	231-933/001-000	Separator, for formation of groups	
4	231-234/001-000	231-834/001-000	4	231-734/001-000	231-934/001-000	light gray 231-500	
5	231-235/001-000	231-835/001-000	5	231-735/001-000	231-935/001-000		
6	231-236/001-000	231-836/001-000	6	231-736/001-000	231-936/001-000		
7	231-237/001-000	231-837/001-000	7	231-737/001-000	231-937/001-000		
8	231-238/001-000	231-838/001-000	8	231-738/001-000	231-938/001-000		
9	231-239/001-000	231-839/001-000	9	231-739/001-000	231-939/001-000		
10	231-240/001-000	231-840/001-000	10	231-740/001-000	231-940/001-000		
11	231-241/001-000	231-841/001-000	11	231-741/001-000	231-941/001-000		
12	231-242/001-000	231-842/001-000	12	231-742/001-000	231-942/001-000		
13	231-243/001-000	231-843/001-000					
16	231-246/001-000	231-846/001-000					

Dimensions (in mm) Diameter of drilled hole: 1.4<sup>+0.1</sup> mm (solder pin 1 mm x 1 mm)



 Approvals are available online at: [www.wago.com](http://www.wago.com). For technical explanations and abbreviations, see technical section.



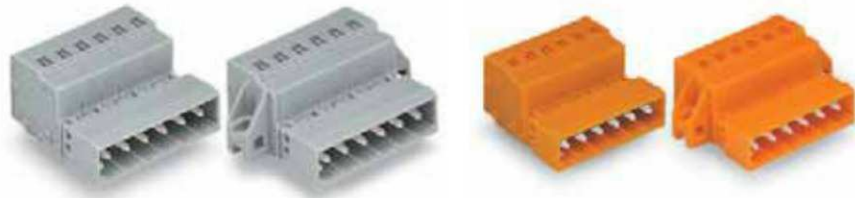
MULTI CONNECTION SYSTEM **MIDI**



Male Connectors

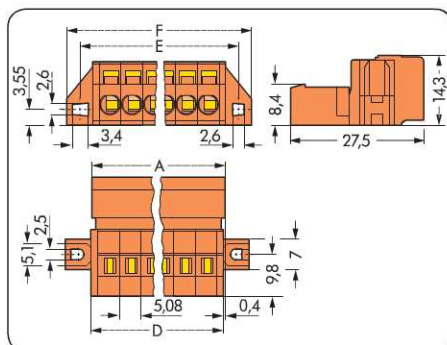
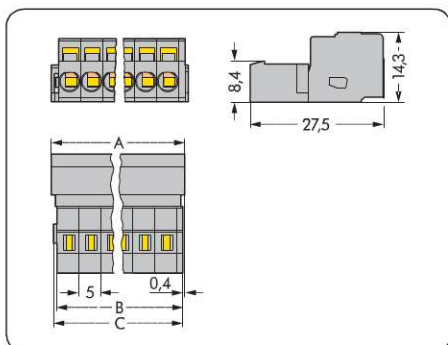
Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in and 7.62 mm/0.3 in

<p>Pin spacing 5 mm/0.197 in, gray 0.08 – 2.5 mm<sup>2</sup>   AWG 28 – 12* 250 V/4 kV/3, 12 A   300 V, 15 A  </p> <p>Pin spacing 7.5 mm/0.295 in, gray 400 V/6 kV/3   300 V, 15 A  </p> <p> 8 – 9 mm / 0.33 in</p> <p> Approvals</p>	<p>Pin spacing 5.08 mm/0.2 in, orange 0.08 – 2.5 mm<sup>2</sup>   AWG 28 – 12* 250 V/4 kV/3, 12 A   300 V, 15 A  </p> <p>Pin spacing 7.62 mm/0.3 in, orange 400 V/6 kV/3   300 V, 15 A  </p> <p> 8 – 9 mm / 0.33 in</p> <p> Approvals</p>	<p>Accessories</p>
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No. of poles	Item No.	Item No.	No. of poles	Item No.	Item No.	Accessories, Series 231 and 731	Item No.
Male connector with CAGE CLAMP®, gray, and fixing flanges, for screw mounting or similar methods, for vertical or horizontal fixing			Male connector with CAGE CLAMP®, orange, and fixing flanges, for screw mounting or similar methods, for vertical or horizontal fixing			Marker strips, 100 self-adhesive strips	
Pin spacing 5 mm/0.197 in			Pin spacing 5.08 mm/0.2 in			Spacing 5 mm/0.197 in	
with fixing flanges			with fixing flanges			1-12 (300x) 210-331/0500-0103	
2	231-602	231-602/019-000	2	231-632	231-632/019-000	13-24 (300x) 210-331/0500-0104	
3	231-603	231-603/019-000	3	231-633	231-633/019-000	Spacing 5.08 mm/0.2 in	
4	231-604	231-604/019-000	4	231-634	231-634/019-000	1-12 (200x) 210-331/0508-0103	
:	:	:	:	:	:	13-24 (200x) 210-331/0508-0104	
12	231-612	231-612/019-000	12	231-642	231-642/019-000	Spacing 7.5 mm/0.295 in	
:	:	:	:	:	:	1-16 (100x) 210-331/0750-0202	
21	231-621	231-621/019-000	21	231-651	231-651/019-000	Spacing 7.62 mm/0.3 in	
22	231-622	231-622/019-000	22	231-652	231-652/019-000	1-16 (100x) 210-331/0762-0202	
23	231-623	231-623/019-000	23	231-653	231-653/019-000	Operating tool, with partially insulated shaft, (3.5 x 0.5) mm/(0.137 x 0.020) in	
24	231-624	231-624/019-000	24	231-654	231-654/019-000	210-720	
Pin spacing 7.5 mm (Number of poles -1) + 5 mm with fixing flanges			Pin spacing 7.62 mm (Number of poles -1) + 5.08 mm with fixing flanges			Coding key, snap-on type,	
2	731-602	731-602/019-000	2	731-632	731-632/019-000	Spacings 5 mm/0.197 in and 5.08 mm/0.2 in	
3	731-603	731-603/019-000	3	731-633	731-633/019-000	light gray 231-129	
4	731-604	731-604/019-000	4	731-634	731-634/019-000	Spacings 7.5 mm/0.295 in and 7.62 mm/0.3 in	
5	731-605	731-605/019-000	5	731-635	731-635/019-000	light gray 231-130	
6	731-606	731-606/019-000	6	731-636	731-636/019-000	Insulation stop, 5 pcs/strip, Spacings 5 mm/0.197 in and 5.08 mm/0.2 in	
7	731-607	731-607/019-000	7	731-637	731-637/019-000	0.08-0.2mm <sup>2</sup>	
8	731-608	731-608/019-000	8	731-638	731-638/019-000	white 231-670	
9	731-609	731-609/019-000	9	731-639	731-639/019-000	0.25-0.5 mm <sup>2</sup>	
10	731-610	731-610/019-000	10	731-640	731-640/019-000	light gray 231-671	
11	731-611	731-611/019-000	11	731-641	731-641/019-000	0.75-1 mm <sup>2</sup>	
12	731-612	731-612/019-000	12	731-642	731-642/019-000	dark gray 231-672	
13	731-613	731-613/019-000				Spacings 7.5 mm/0.295 in and 7.62 mm/0.3 in	
16	731-616	731-616/019-000				0.08-0.2mm <sup>2</sup>	

Dimensions (in mm) A = (No. of poles x pin spacing) + 3.2 mm B = A - 1.7 mm C = A - 1.2 mm



Spacings 7.5 mm/0.295 in and 7.62 mm/0.3 in	
0.08-0.2mm <sup>2</sup>	white 231-673
0.25-0.5 mm <sup>2</sup>	light gray 231-674
0.75-1 mm <sup>2</sup>	dark gray 231-675
0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "fst")	
Tapping screw,	
	fixing hole Ø 1.8 mm/0.07 in
	B 2.2 x 9.5 209-147
Separator, for formation of groups	
	light gray 231-500

Approvals are available online at: [www.wago.com](http://www.wago.com). \*AWG 14: THHN, THWN  
For technical explanations and abbreviations, see technical section.

# MULTI CONNECTION SYSTEM **MIDI**

## Female Connectors with Solder Pins

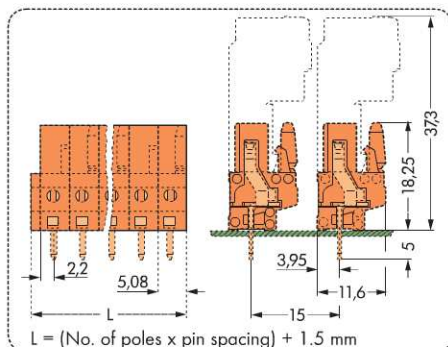
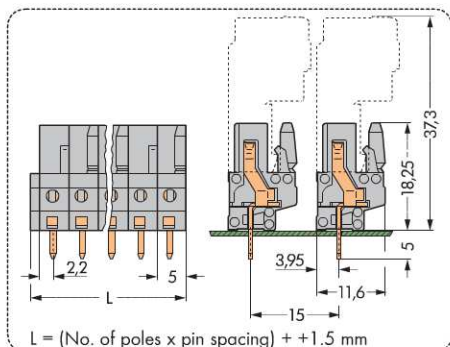
Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in; 7.62 mm/0.3 in

Pin spacing 5 mm/0.197 in, gray 250 V/4 kV/3 : 300 V, 15 A $I_N$ 12 A Pin spacing 7.5 mm/0.295 in, gray 400 V/6 kV/3 : 300 V, 15 A $I_N$ 12 A Approvals	Pin spacing 5.08 mm/0.2 in, orange 250 V/4 kV/3 : 300 V, 15 A $I_N$ 12 A Pin spacing 7.62 mm/0.3 in, orange 400 V/6 kV/3 : 300 V, 15 A $I_N$ 12 A Approvals	Accessories
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No. of poles	Item No.	Item No.	No. of poles	Item No.	Item No.	Accessories, Series 232	Item No.
Female connector with solder pins, with coding fingers, with two latches, gray, solder pin (0.6 x 1) mm/(0.023 x 0.039) in			Female connector with solder pins, with coding fingers, with two latches, orange, solder pin (0.6 x 1) mm/(0.023 x 0.039) in			Marker strips, 100 self-adhesive strips	
Pin spacing 5 mm/0.197 in			Pin spacing 5.08 mm/0.2 in			Spacing 5 mm/0.197 in	
	straight	angled		straight	angled	1-12 (300x) 210-331/0500-0103	
2**	232-132	232-232	2**	232-162	232-262	13-24 (300x) 210-331/0500-0104	
3**	232-133	232-233	3**	232-163	232-263	Spacing 5.08 mm/0.2 in	
4	232-134	232-234	4	232-164	232-264	1-12 (200x) 210-331/0508-0103	
5	232-135	232-235	5	232-165	232-265	13-24 (200x) 210-331/0508-0104	
:	:	:	:	:	:	Spacing 7.5 mm/0.295 in	
12	232-142	232-242	12	232-172	232-272	1-16 (100x) 210-331/0750-0202	
:	:	:	:	:	:	Spacing 7.62 mm/0.3 in	
21	232-151	232-251	21	232-181	232-281	1-16 (100x) 210-331/0762-0202	
22	232-152	232-252	22	232-182	232-282		
23	232-153	232-253	23	232-183	232-283		
24	232-154	232-254	24	232-184	232-284	Test plug, with cable 500 mm/1'7.7"	
Pin spacing 7.5 mm (Number of poles -1) + 5 mm			Pin spacing 7.62 mm (Number of poles -1) + 5.08 mm			Ø 2 mm/0.079 in 210-136 red	
	straight	angled		straight	angled	Ø 2.3 mm/0.091 in 210-137 yellow	
2**	232-732	232-832	2**	232-762	232-862		
3**	232-733	232-833	3**	232-763	232-863		
4	232-734	232-834	4	232-764	232-864		
5	232-735	232-835	5	232-765	232-865		
6	232-736	232-836	6	232-766	232-866		
7	232-737	232-837	7	232-767	232-867		
8	232-738	232-838	8	232-768	232-868		
9	232-739	232-839	9	232-769	232-869		
10	232-740	232-840	10	232-770	232-870		
11	232-741	232-841	11	232-711	232-871		
12	232-742	232-842	12	232-772	232-872		
13	232-743	232-843					
16	232-746	232-846					
**one latch only			**one latch only				

### Dimensions (in mm)



Please find the entire product range in our Full Line Catalog, Volume 2. More information at [www.wago.com](http://www.wago.com).



# MULTI CONNECTION SYSTEM **MIDI**

## Female Connectors

Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in; 7.62 mm/0.3 in

<p>Pin spacing 5 mm/197 in, gray 0.08 – 2.5 mm<sup>2</sup>   AWG 28 – 12* 250 V/4 kV/3, 16 A   300 V, 15 A   Pin spacing 7.5 mm/295 in, gray 400 V/6 kV/3   300 V, 15 A    8 – 9 mm / 0.33 in  Approvals</p>	<p>Pin spacing 5.08 mm/0.2 in, orange 0.08 – 2.5 mm<sup>2</sup>   AWG 28 – 12* 250 V/4 kV/3, 16 A   300 V, 15 A   Pin spacing 7.62 mm/0.3 in, orange 400 V/6 kV/3   300 V, 15 A    8 – 9 mm / 0.33 in  Approvals</p>	<p>Pin spacing 5 mm/197 in, gray 0.2 – 2.5 mm<sup>2</sup>   AWG 24 – 12* 250 V/4 kV/3 I<sub>N</sub> 16 A  10 – 11 mm / 0.43 in  Approvals</p>
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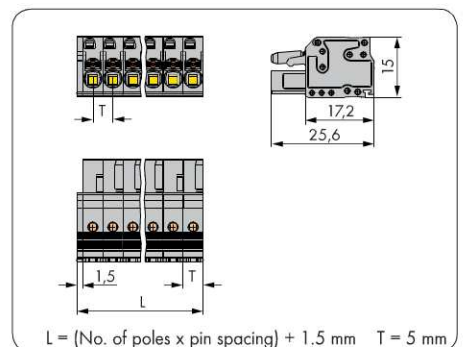
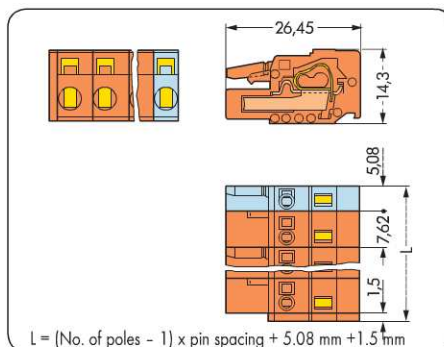
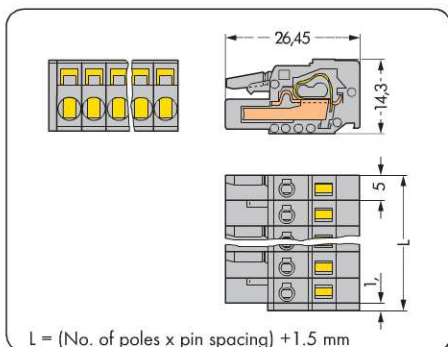
### CAGE CLAMP®

### CAGE CLAMP®S



No. of poles	Item No.	Item No.	No. of poles	Item No.	Item No.	No. of poles	Item No.	Item No.
Female connector with CAGE CLAMP®, with coding fingers, with two latches, gray			Female connector with CAGE CLAMP®, with coding fingers, with two latches, orange			Female connector with CAGE CLAMP®S and integrated push-buttons, with coding fingers, with 2 latches,		
Pin spacing 5 mm/0.197 in			Pin spacing 5.08 mm/0.2 in			Pin spacing 5 mm/0.197 in		Pin spacing 5.08 mm/0.2 in
with locking levers			with locking levers			gray	orange	
2**	231-102/026-000	231-102/037-000	2**	231-302/026-000	231-302/037-000	2**	2231-102/026-000	2231-302/026-000
3**	231-103/026-000	231-103/037-000	3**	231-303/026-000	231-303/037-000	3**	2231-103/026-000	2231-303/026-000
4	231-104/026-000	231-104/037-000	4	231-304/026-000	231-304/037-000	4	2231-104/026-000	2231-304/026-000
5	231-105/026-000	231-105/037-000	5	231-305/026-000	231-305/037-000	5	2231-105/026-000	2231-305/026-000
:	:	:	:	:	:	:	:	:
12	231-112/026-000	231-112/037-000	12	231-312/026-000	231-312/037-000	12	2231-112/026-000	2231-312/026-000
:	:	:	:	:	:	:	:	:
21	231-121/026-000	231-121/037-000	21	231-321/026-000	231-321/037-000	21	2231-121/008-000	2231-321/026-000
22	231-122/026-000	231-122/037-000	22	231-322/026-000	231-322/037-000	22	2231-122/008-000	2231-322/026-000
23	231-123/026-000	231-123/037-000	23	231-323/026-000	231-323/037-000	23	2231-123/008-000	2231-323/026-000
24	231-124/026-000	231-124/037-000	24	231-324/026-000	231-324/037-000	24	2231-124/008-000	2231-324/026-000
Pin spacing 7.5 mm (Number of poles -1) + 5 mm			Pin spacing 7.62 mm (Number of poles -1) + 5.08 mm			Pin spacing 7.5 mm/0.295 in		Pin spacing 7.62 mm/0.3 in
with locking levers			with locking levers			gray	orange	
2**	231-202/026-000	231-202/037-000	2**	231-702/026-000	231-702/037-000	2**	2231-202/026-000	2231-702/026-000
3**	231-203/026-000	231-203/037-000	3**	231-703/026-000	231-703/037-000	3**	2231-203/026-000	2231-703/026-000
4	231-204/026-000	231-204/037-000	4	231-704/026-000	231-704/037-000	4	2231-204/026-000	2231-704/026-000
5	231-205/026-000	231-205/037-000	5	231-705/026-000	231-705/037-000	5	2231-205/026-000	2231-705/026-000
6	231-206/026-000	231-206/037-000	6	231-706/026-000	231-706/037-000	6	2231-206/026-000	2231-706/026-000
7	231-207/026-000	231-207/037-000	7	231-707/026-000	231-707/037-000	7	2231-207/026-000	2231-707/026-000
8	231-208/026-000	231-208/037-000	8	231-708/026-000	231-708/037-000	8	2231-208/026-000	2231-708/026-000
9	231-209/026-000	231-209/037-000	9	231-709/026-000	231-709/037-000	:	:	:
10	231-210/026-000	231-210/037-000	10	231-710/026-000	231-710/037-000	12	2231-212/026-000	2231-712/026-000
11	231-211/026-000	231-211/037-000	11	231-711/026-000	231-711/037-000	13	2231-213/026-000	
12	231-212/026-000	231-212/037-000	12	231-712/026-000	231-712/037-000	16	2231-216/026-000	
13	231-213/026-000	231-213/037-000						
16	231-216/026-000	231-216/037-000						
** one latch only			** one latch only			** one latch only		

### Dimensions (in mm)














 Approvals are available online at: [www.wago.com](http://www.wago.com). \*AWG 12: THHN, THWN  
For technical explanations and abbreviations, see technical section.


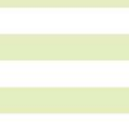



**Female Connectors with Snap-In Mounting Feet**

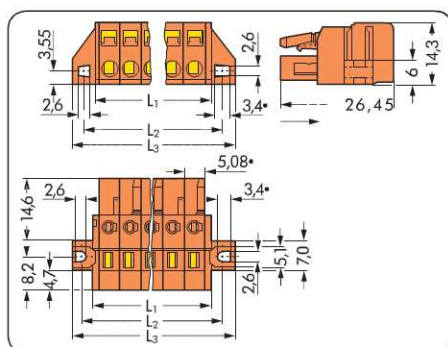
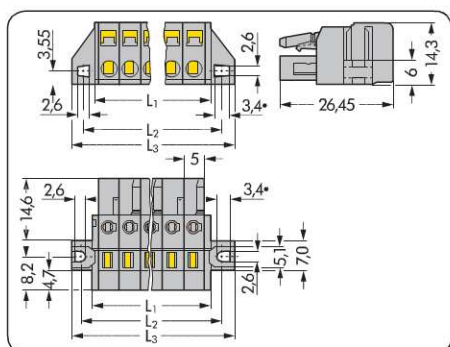
**Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in; 7.62 mm/0.3 in**

<p>Pin spacing 5 mm/0.197 in, gray 0.08 – 2.5 mm<sup>2</sup>   AWG 28 – 12* 250 V/4 kV/3, 16 A   300 V, 15 A   Pin spacing 7.5 mm/0.295 in, gray 400 V/6 kV/3   300 V, 15 A    8 – 9 mm / 0.33 in  Approvals</p>	<p>Pin spacing 5.08 mm/0.2 in, orange 0.08 – 2.5 mm<sup>2</sup>   AWG 28 – 12* 250 V/4 kV/3, 16 A   300 V, 15 A   Pin spacing 7.62 mm/0.3 in, orange 400 V/6 kV/3   300 V, 15 A    8 – 9 mm / 0.33 in  Approvals</p>	<p><b>Accessories</b></p>
--	--	---------------------------



No. of poles	Item No.	Item No.	No. of poles	Item No.	Item No.	Accessories, Series 231 and 2231	Item No.
<p><b>Female connector with CAGE CLAMP® and fixing flanges for panel mounting, with coding fingers, with 2 latches, for screw mounting or similar methods, gray</b></p> <p><b>and snap-in mounting feet, for plate thickness 0.6 mm – 1.2 mm (0.02 in – 0.047 in), fixing hole Ø 3.5 mm/0.137 in, (or with 209-137 Mounting Adapter for DIN 35 rail)</b></p>			<p><b>Female connector with CAGE CLAMP® and fixing flanges for panel mounting, with coding fingers, with 2 latches, for screw mounting or similar methods, orange</b></p> <p><b>and snap-in mounting feet, for plate thickness 0.6 mm – 1.2 mm (0.02 in – 0.047 in), fixing hole Ø 3.5 mm/0.137 in, (or with 209-137 Mounting Adapter for DIN 35 rail)</b></p>			<p><b>Marker strips, 100 self-adhesive strips</b></p>	
<p><b>Pin spacing 5 mm/0.197 in</b></p> <p>with fixing flanges      with snap-in mounting feet</p>			<p><b>Pin spacing 5.08 mm/0.2 in</b></p> <p>with fixing flanges      with snap-in mounting feet</p>			<p><b>Spacing 5 mm/0.197 in</b></p> <p>1-12 (300x) <b>210-331/0500-0103</b> 13-24 (300x) <b>210-331/0500-0104</b></p>	
2**	<b>231-102/031-000</b>	<b>231-102/008-000</b>	2**	<b>231-302/031-000</b>	<b>231-302/008-000</b>	<p><b>Spacing 5.08 mm/0.2 in</b></p> <p>1-12 (200x) <b>210-331/0508-0103</b> 13-24 (200x) <b>210-331/0508-0104</b></p>	
3**	<b>231-103/031-000</b>	<b>231-103/008-000</b>	3**	<b>231-303/031-000</b>	<b>231-303/008-000</b>	<p><b>Spacing 7.5 mm/0.295 in</b></p> <p>1-16 (100x) <b>210-331/0750-0202</b></p>	
4	<b>231-104/031-000</b>	<b>231-104/008-000</b>	4	<b>231-304/031-000</b>	<b>231-304/008-000</b>	<p><b>Spacing 7.62 mm/0.3 in</b></p> <p>1-16 (100x) <b>210-331/0762-0202</b></p>	
5	<b>231-105/031-000</b>	<b>231-105/008-000</b>	5	<b>231-305/031-000</b>	<b>231-305/008-000</b>		
:	:	:	:	:	:		
12	<b>231-112/031-000</b>	<b>231-112/008-000</b>	12	<b>231-312/031-000</b>	<b>231-312/008-000</b>	<p><b>Insulation stop, 5 pcs/strip, Spacings 5 mm/0.197 in and 5.08 mm/0.2 in</b></p>	
:	:	:	:	:	:	<p>0.08-0.2mm<sup>2</sup>  <b>231-670</b></p>	
22	<b>231-122/031-000</b>	<b>231-122/008-000</b>	22	<b>231-322/031-000</b>	<b>231-322/008-000</b>	<p>white</p>	
23	<b>231-123/031-000</b>	<b>231-123/008-000</b>	23	<b>231-323/031-000</b>	<b>231-323/008-000</b>	<p>0.25-0.5 mm<sup>2</sup></p>	
24	<b>231-124/031-000</b>	<b>231-124/008-000</b>	24	<b>231-324/031-000</b>	<b>231-324/008-000</b>	<p>light gray <b>231-671</b></p>	
<p><b>Pin spacing 7.5 mm (Number of poles -1) + 5 mm</b></p> <p>with fixing flanges      with snap-in mounting feet</p>			<p><b>Pin spacing 7.62 mm (Number of poles -1) + 5.08 mm</b></p> <p>with fixing flanges      with snap-in mounting feet</p>			<p>0.75-1 mm<sup>2</sup></p>	
2**		<b>231-202/008-000</b>	2**	<b>231-702/031-000</b>	<b>231-702/008-000</b>	<p>dark gray <b>231-672</b></p>	
3**	<b>231-203/031-000</b>	<b>231-203/008-000</b>	3**	<b>231-703/031-000</b>	<b>231-703/008-000</b>	<p><b>Spacings 7.5 mm/0.295 in and 7.62 mm/0.3 in</b></p>	
4	<b>231-204/031-000</b>	<b>231-204/008-000</b>	4	<b>231-704/031-000</b>	<b>231-704/008-000</b>	<p>0.08-0.2mm<sup>2</sup>  <b>231-673</b></p>	
5	<b>231-205/031-000</b>	<b>231-205/008-000</b>	5	<b>231-705/031-000</b>	<b>231-705/008-000</b>	<p>white</p>	
6	<b>231-206/031-000</b>	<b>231-206/008-000</b>	6	<b>231-706/031-000</b>	<b>231-706/008-000</b>	<p>0.25-0.5 mm<sup>2</sup></p>	
7	<b>231-207/031-000</b>	<b>231-207/008-000</b>	7	<b>231-707/031-000</b>	<b>231-707/008-000</b>	<p>light gray <b>231-674</b></p>	
8	<b>231-208/031-000</b>	<b>231-208/008-000</b>	8	<b>231-708/031-000</b>	<b>231-708/008-000</b>	<p>0.75-1 mm<sup>2</sup></p>	
:	:	:	:	:	:	<p>dark gray <b>231-675</b></p>	
16	<b>231-216/031-000</b>	<b>231-216/008-000</b>	12	<b>231-712/031-000</b>	<b>231-712/008-000</b>	<p> 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st")</p>	
<p>** one latch only</p>			<p>** one latch only</p>			<p><b>Test plug, with cable 500 mm/1'7.7"</b></p>	
						<p>Ø 2 mm/0.079 in <b>210-136</b> red</p>	
						<p>Ø 2.3 mm/0.091 in <b>210-137</b> yellow</p>	

**Dimensions (in mm)** L<sub>1</sub> = (No. of poles x pin spacing) + 3 mm L<sub>2</sub> = (No. of poles x pin spacing) + 8.8 mm L<sub>3</sub> = (No. of poles x pin spacing) + 14.8 mm



<p><b>Mounting adapter, for DIN 35 rail,</b></p> <p>3 or more poles</p>	
	gray <b>209-137</b>
<p><b>Tapping screw,</b></p> <p>fixing hole Ø 1.8 mm/0.07 in</p> <p>B 2.2 x 9.5</p>	
	<b>209-147</b>
<p><b>Operating tool, with partially insulated shaft,</b></p> <p>(3.5 x 0.5) mm/(0.137 x 0.020) in</p>	
	<b>210-720</b>



**MULTI CONNECTION SYSTEM MIDI**



**Angled Female Connectors for Panel Mounting, Pin Spacings 5 mm/0.197 in and 7.5 mm/0.295 in, Multi Mounting Adapter, Test Plugs**

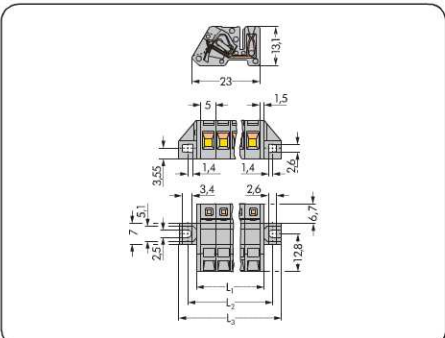
Pin spacing 5 mm/197 in, gray  
 0.08 – 2.5 mm<sup>2</sup> | AWG 28 – 12\*  
 250 V/4 kV/3, 16 A | 300 V, 15 A   
 Pin spacing 7.5 mm/295 in, gray  
 400 V/6 kV/3 | 300 V, 15 A   
 8 – 9 mm / 0.33 in  
**1 Approvals**

Multi mounting adapter  
 for male and female connectors  
 with snap-on mounting feet  
 Adapter width 10 mm/0.394 in

Test plugs for female connectors  
 Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in;  
 7.5 mm/0.295 in and 7.62 mm/0.3 in  
 0.08 – 2.5 mm<sup>2</sup> | AWG 28 – 12  
 250 V/4 kV/3, 12 A | 8 – 9 mm / 0.33 in  
**1 Approvals**



No. of poles	Item No.	Item No.	Item No.	Item No.	
<b>Angled female connector with CAGE CLAMP® and fixing flanges for panel mounting, for screw mounting or similar methods, gray</b>  <b>and snap-in mounting feet, for plate thickness 0.6 mm – 1.2 mm (0.02 in – 0.047 in), fixing hole Ø 3.5 mm/0.137 in</b>		<b>Multi mounting adapter</b> <b>209-148</b>		<b>Test plug for female connector, with CAGE CLAMP®</b> 0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup> /AWG 28 – 14 <b>Spacings 5 mm/0.197 in and 5.08 mm/0.2 in</b> <b>231-661</b> <b>Spacings 7.5 mm/0.295 in and 7.62 mm/0.3 in</b> <b>231-662</b>	
<b>Pin spacing 5 mm/0.197 in</b> with fixing flanges      with snap-in mounting feet		 If either the male or the female connector is equipped with mounting feet and mounted on the adapter via oblong holes or open grooves (A/B), but the mating half is not, then the connection remains pluggable.		<b>Accessories, Series 731</b>  <b>Test plug, with cable 500 mm/1'7.7"</b>  Ø 2 mm/0.079 in    210-136 red Ø 2.3 mm/0.091 in   210-137 yellow	
2	731-502/031-000			731-502/008-000	<b>Operating lever, for female and male connectors with CAGE CLAMP®</b>  <b>231-131</b>
3	731-503/031-000			731-503/008-000	<b>M 2 x 12 screw with nut, for fixing element</b>  <b>231-195</b>
4	731-504/031-000			731-504/008-000	<b>Operating tool, with partially insulated shaft, (3.5 x 0.5) mm/(0.137 x 0.020) in</b>  <b>210-720</b>
5	731-505/031-000			731-505/008-000	<b>Marker strips, 100 self-adhesive strips</b> <b>Spacing 5 mm/0.197 in</b> 1–12 (300x) 210-331/0500-0103 13–24 (300x) 210-331/0500-0104
12	731-512/031-000			731-512/008-000	<b>Spacing 7.5 mm/0.295 in</b> 1–16 (100x) 210-331/0750-0202
17	731-517/031-000			731-517/008-000	
18	731-518/031-000			731-518/008-000	
19	731-519/031-000			731-519/008-000	
20	731-520/031-000			731-520/008-000	
<b>Pin spacing 7.5 mm (Number of poles -1) + 5 mm</b> with fixing flanges      with snap-in mounting feet		 The adapter allows the use of WSB, miniature WSB or WMB marker cards. For marking accessories, see Section 6.		Female connectors for the <b>MULTI CONNECTION SYSTEM MIDI</b> with 5/5.08 mm (0.197/0.2 in) and 7.5/7.62 mm (0.295/0.3 in) pin spacings can be tested with these 1-pole test plugs.	
2	731-532/031-000				731-532/008-000
3	731-533/031-000				731-533/008-000
4	731-534/031-000				731-534/008-000
5	731-535/031-000	731-535/008-000			
6	731-536/031-000	731-536/008-000			
7	731-537/031-000	731-537/008-000			
10	731-540/031-000	731-540/008-000			
11	731-541/031-000	731-541/008-000			
12	731-542/031-000	731-542/008-000			
<b>Dimensions (in mm)</b> see also page 103					



**1** Approvals are available online at: [www.wago.com](http://www.wago.com). \*AWG 12: THHN, THWN  
 For technical explanations and abbreviations, see technical section.



# 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 suitable for:  
 - straight and angled female connectors with CAGE CLAMP®  
 - male connectors with CAGE CLAMP®



Width	Additional Item No.	Width	Additional Item No.	No. of poles	Item No.	Item No.
<b>Strain relief plate, assembled, suitable for 734 Series</b>		<b>Strain relief plate, assembled, suitable for 231, 721 and 731 Series</b>		<b>Snap-on type strain relief housings, consisting of: strain relief support and strain relief housing, suitable for 734 Series</b>		
6 mm/0.236 in	.../032-000	11.5 mm/0.45 in	.../032-000		Spacing 3.5 mm/0.137 in	Spacing 3.81 mm/0.15 in
12.5 mm/0.49 in	.../033-000	20 mm/0.78 in	.../033-000		gray	orange
25 mm/0.98 in	.../034-000	30 mm/1.18 in	.../034-000	2	734-602 ②	734-632 ②
35 mm/1.37 in	.../035-000	50 mm/1.96 in	.../035-000	3	734-603 ②	734-633 ②
				:	:	:
Ordering example:		Ordering example:		6	734-606	734-636
Female connector, pin spacing 3.81 mm/0.15 in, orange, 5 poles, with strain relief plate	734-205/033-000	Male connector, pin spacing 5 mm/0.197 in, light gray, 8 poles, with strain relief plate	721-608/034-000	7	734-607	-
				8	734-608	734-638
				9	734-609	734-639
				10	734-610	734-640
				12	734-612	734-642
				<b>suitable for 231 and 721 Series</b>		
					Spacing 5 mm/0.197 in	Spacing 5.08 mm/0.2 in
				2	232-602	232-632
				3	232-603	232-633
				:	:	:
				6	232-606	232-636
				7	232-607	-
				8	232-608	232-638
				9	232-609	232-639
				10	232-610	232-640
				12	232-612	232-642
				<b>suitable for 231, 721 and 731 Series</b>		
					Spacing 7.5 mm/0.295 in	Spacing 7.62 mm/0.3 in
				2	232-662 ③	232-682 ③
				3	232-663 ③	232-683 ③
				4	232-664	232-684
				5	232-665	232-685
				7	232-667	232-687
				<b>Cable clamp, for strain relief 209-177</b>		
					for No. of poles	Spacing in mm
					6 to 12 poles	3.5 + 3.81
					4 to 6 poles	5 + 5.08
					3 poles	7.5 + 7.62
				<b>Cable clamp, for strain relief 209-174</b>		
					7 or more poles	5 + 5.08
					5 or more poles	7.5 + 7.62
				<b>Fixing screws, for cable clamp 209-176</b>		
					for No. of poles	Spacing in mm
					4 to 6 poles	5 + 5.08
					3 poles	7.5 + 7.62
				<b>Fixing screws, for cable clamp 209-172</b>		
					6 to 12 poles	3.5 + 3.81
				<b>Fixing screws, for cable clamp 209-173</b>		
					7 or more poles	5 + 5.08
					5 or more poles	7.5 + 7.62

Strain relief plate, loose, suitable for 734 Series

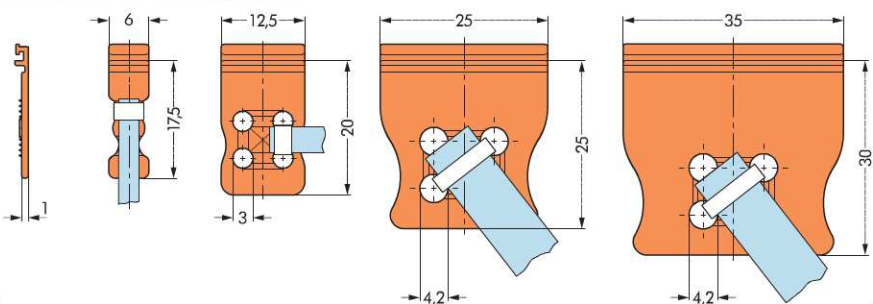
Item no.	Color	Width
734-127	light gray	6 mm/0.236 in
734-227	orange	0.236 in
734-128	light gray	12.5 mm/0.49 in
734-228	orange	0.49 in
734-129	light gray	25 mm/0.98 in
734-229	orange	0.98 in
734-126	light gray	35 mm/1.18 in
734-226	orange	1.18 in

CAGE CLAMP®-equipped male and female connectors can be fitted with a strain relief plate directly at the factory or later in the field. Plates are available in 4 different sizes.

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

The arrangement of the mounting holes for cable ties allow single conductors or multicore cables to be attached in several different orientations.

Dimensions for strain relief plate, loose



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