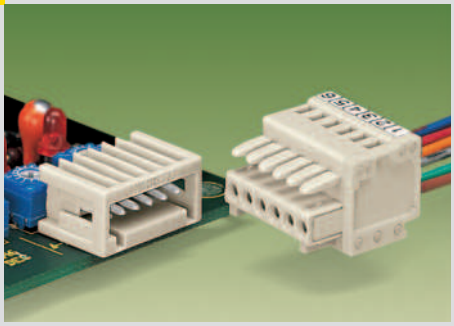
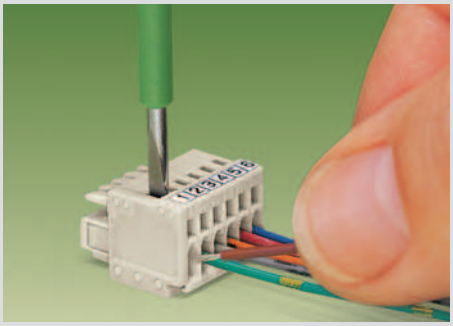
MULTI CONNECTION SYSTEM ***MICRO***
Description and Handling

Protection against mismating



Headers, male and female connectors –
100 % protected against mismating

CAGE CLAMP® connection

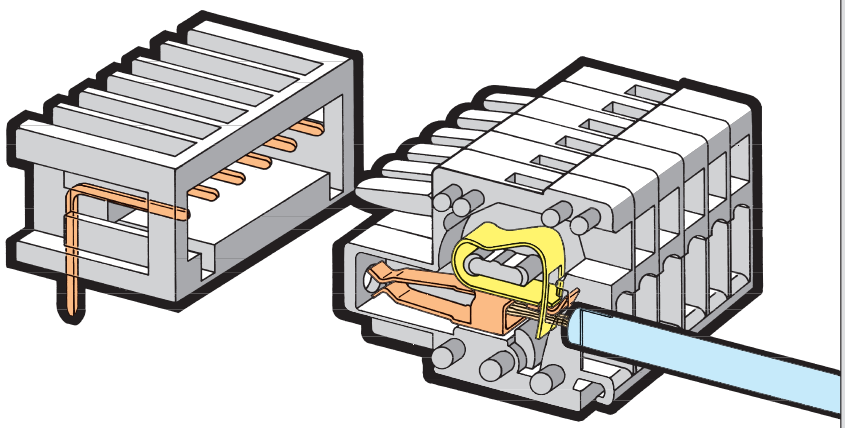


Connection of conductors – side-entry wiring
– with screwdriver (2.5 x 0.4) mm



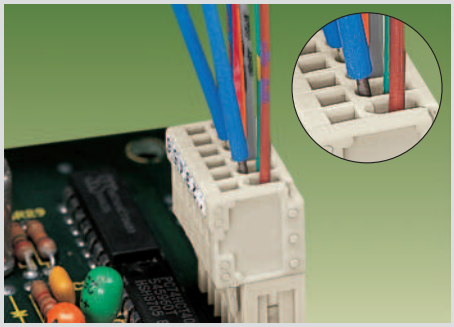
Connection of conductors – front-entry wiring
Series 733 – with operating tool 233-332

100 % protected against mismating



MICRO Pin spacing 2.5 mm/0.098 in, series 733

Testing



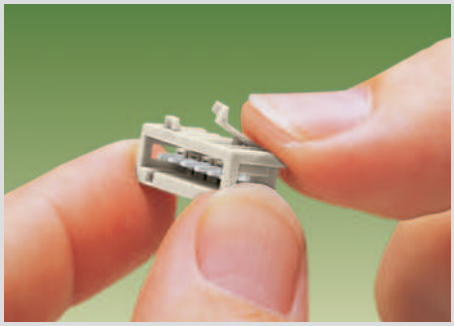
Testing with test probe 1 mm/0.039 in Ø
Item No. 735-500

Marking

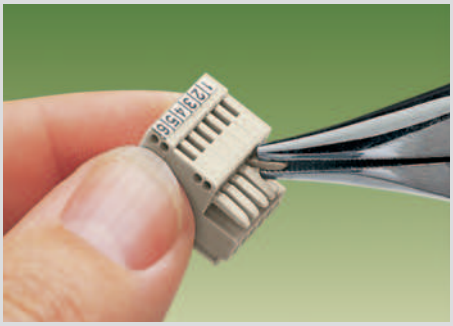


Marking with self-adhesive marker strips
(customised printing on request)

Coding

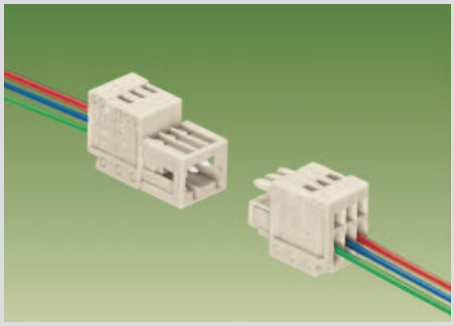


Coding of a header –
fitting of coding key(s)



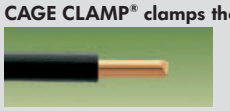
Coding of a female connector –
removal of coding finger(s)

Application

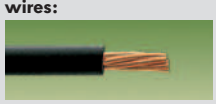


Example:
flying lead

CAGE CLAMP® clamps the following copper wires:



solid



stranded



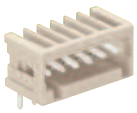
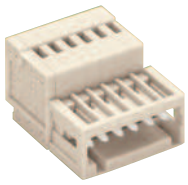
fine-stranded



tip bonded

MULTI CONNECTION SYSTEM **MICRO – 100 % Protected against Mismating, Headers with Solder Pins; Male and Female Connectors with CAGE CLAMP®, Pin Spacing 2,5 mm/0.098 in**

Pin spacing 2.5 mm/0.098 in, light grey	**Pin spacing 2.5 mm/0.098 in,** light grey	**Pin spacing 2.5 mm/0.098 in,** light grey
250 V/2.5 kV/2	**0.08 – 0.5 mm²** | **AWG 28 – 20**	**0.08 – 0.5 mm²** | **AWG 28 – 20**
4 A | **150 V, 4 A**	**250 V/2.5 kV/2**	**250 V/2.5 kV/2**
	4 A | **150 V, 4 A**	**4 A** | **150 V, 4 A**
	5 – 6 mm / 0.22 in	**5 – 6 mm / 0.22 in**
* CCA GL BV NV	* CCA GL BV NV	* CCA GL BV NV


No. of poles	Item No.	Item-No.
Headers with solder pins,		
100 % protected against mismating,		
light grey		
	solder pin 0.8 mm x 0.8 mm	
	straight	right angled
2	**733-332**	**733-362**
3	**733-333**	**733-363**
4	**733-334**	**733-364**
5	**733-335**	**733-365**
6	**733-336**	**733-366**
7	**733-337**	**733-367**
8	**733-338**	**733-368**
10	**733-340**	**733-370**
12	**733-342**	**733-372**

No. of poles	Item No.
Male connectors with CAGE CLAMP®,	
100 % protected against mismating,	
light grey	
2	**733-202**
3	**733-203**
4	**733-204**
5	**733-205**
6	**733-206**
7	**733-207**
8	**733-208**
10	**733-210**
12	**733-212**

No. of poles	Item No.
Female connectors with CAGE CLAMP®,	
100 % protected against mismating,	
with coding fingers, light grey	
2	**733-102**
3	**733-103**
4	**733-104**
5	**733-105**
6	**733-106**
7	**733-107**
8	**733-108**
10	**733-110**
12	**733-112**

Accessories, Series 733

Coding key, snap-on type,
light grey
733-330

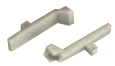


Note: These connectors can only be mated and unmated at voltages below 42 V and in the "No load" condition.

For mating and unmating at low power values, please request data.

Operating tool, partially insulated

233-335
of insulating material
233-332

Coding key, snap-on type,

light grey
733-330

Marker card, computer marked

100 self-adhesive strips per card,
marking 1 – 16 (400x)
210-331/0250-0202

Strain relief plate, assembled

additional item no.
width 6 mm 12.5 mm
.../032-000 **.../033-000**

Operating tool, partially insulated

233-335
of insulating material
233-332

Screwdriver, with partially insulated shaft

(2.5 x 0.4) mm
210-619

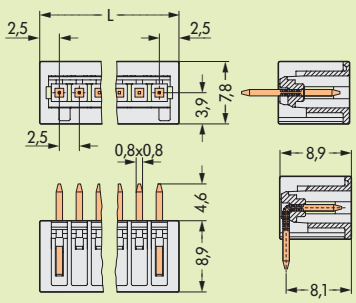
Marker card, computer marked

100 self-adhesive strips per card,
marking 1 – 16 (400x)
210-331/0250-0202

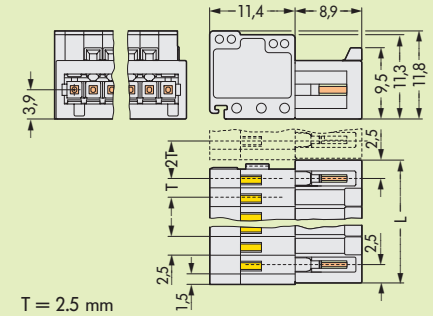
Strain relief plate, assembled

additional item no.
width 6 mm 12.5 mm
.../032-000 **.../033-000**

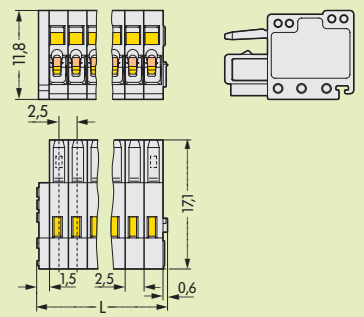
Dimensions (in mm) **Diameter of drilled hole: 1.1 +0.1 mm**



L = (No. of poles + 1) x pin spacing

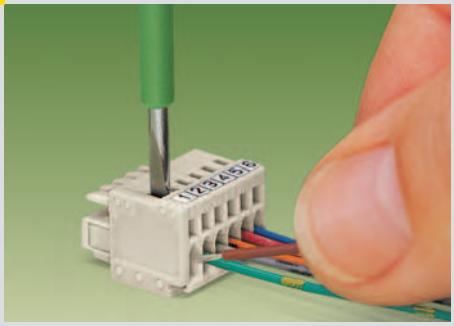


T = 2.5 mm
L = (No. of poles + 1) x pin spacing

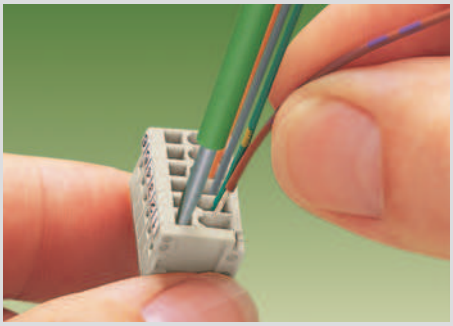


L = (No. of poles x pin spacing) + 2.1 mm

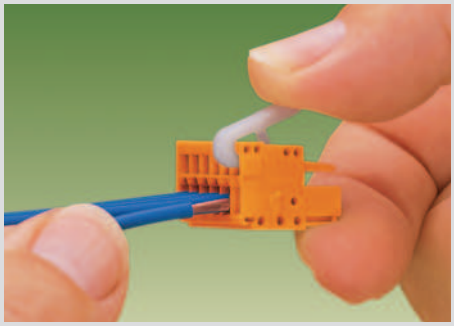
CAGE CLAMP® connection



Connection of conductors – side-entry wiring – with screwdriver (2.5 x 0.4) mm

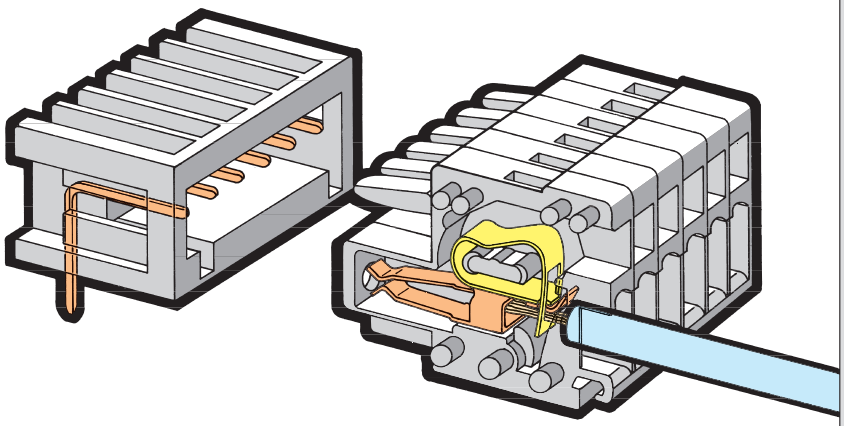


Connection of conductors – front-entry wiring series 734 – with screwdriver (2.5 x 0.4) mm



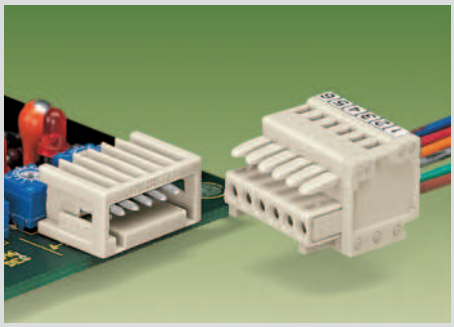
Connection of conductors – side-entry wiring with snap-on lever

100 % protected against mismating



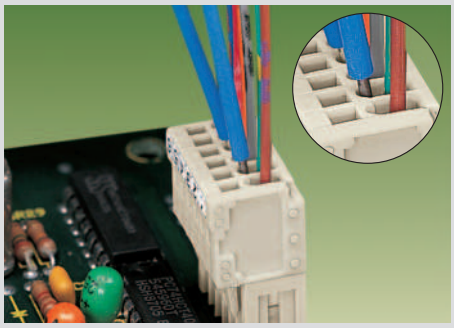
MINI Pin spacing 3.5 mm, series 734
3.81 mm, series 734

Protection against mismating



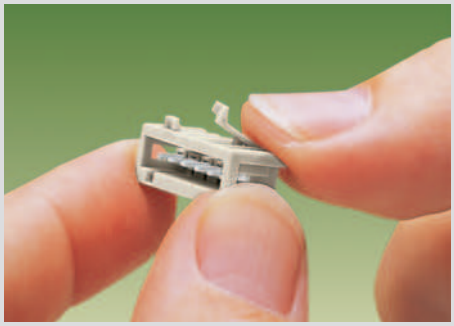
Headers, male and female connectors – 100 % protected against mismating

Testing

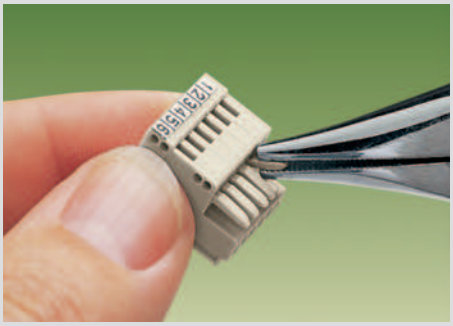


Testing with test probe 1 mm/0.039 in Ø
Item No. 735-500

Coding



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



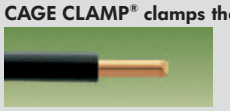
Coding of a female connector – removal of coding finger(s)

Marking

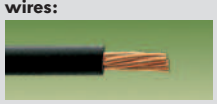


Marking with self-adhesive marker strips (customised printing on request)

CAGE CLAMP® clamps the following copper wires:



solid



stranded



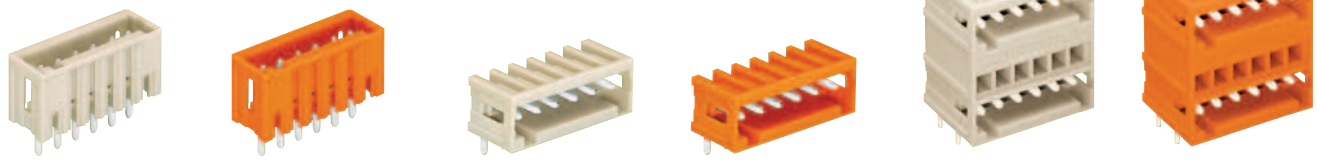
fine-stranded



tip bonded

MULTI CONNECTION SYSTEM ***MINI*** **– 100 % Protected against Mismating, Headers with Solder Pins; Double Deck Headers with Solder Pins, Pin Spacings 3.5 mm/0.138 in and 3.81 mm/0.15 in**

Pin spacing 3.5 mm/0.138 in, light grey **Pin spacing 3.81 mm/0.15 in,** orange **250 V/2.5 kV/2** | **300 V, 10 A** **10 A** | **300 V, 10 A** * GL BV NV	**Pin spacing 3.5 mm/0.138 in,** light grey **Pin spacing 3.81 mm/0.15 in,** orange **250 V/2.5 kV/2** | **300 V, 10 A** **10 A** | **300 V, 10 A** * GL BV NV	**Pin spacing 3.5 mm/0.138 in,** light grey **Pin spacing 3.81 mm/0.15 in,** orange **250 V/2.5 kV/2** | **300 V, 10 A** **10 A** *



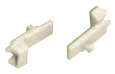
No. of poles	Item No.	Item No.
Headers with solder pins,		
100 % protected against mismating,		
straight solder pin, 1 mm x 1 mm		
	pin spacing 3.5 mm	3.81 mm
	light grey	orange
2	**734-132**	**734-232**
:	:	:
6	**734-136**	**734-236**
7	**734-137**	**–**
8	**734-138**	**734-238**
9	**734-139**	**734-239**
10	**734-140**	**734-240**
12	**734-142**	**734-242**
13	**734-143**	**–**
14	**–**	**734-244**
16	**734-146**	**734-246**
18	**734-148**	**–**
20	**734-150**	**734-250**
24	**734-154**	**–**

No. of poles	Item No.	Item No.
Headers with solder pins,		
100 % protected against mismating,		
right angle solder pin, 1 mm x 1 mm		
	pin spacing 3.5 mm	3.81 mm
	light grey	orange
2	**734-162**	**734-262**
:	:	:
6	**734-166**	**734-266**
7	**734-167**	**–**
8	**734-168**	**734-268**
9	**734-169**	**734-269**
10	**734-170**	**734-270**
12	**734-172**	**734-272**
13	**734-173**	**–**
14	**–**	**734-274**
16	**734-176**	**734-276**
18	**734-178**	**–**
20	**734-180**	**734-280**
24	**734-184**	**–**

No. of poles	Item No.	Item No.
Double deck headers without support,		
100 % protected against mismating,		
right angle solder pin, 1 mm x 1 mm		
	pin spacing 3.5 mm	3.81 mm
	light grey	orange
2	**734-402**	**734-432**
3	**734-403**	**734-433**
4	**734-404**	**734-434**
5	**734-405**	**734-435**
6	**734-406**	**734-436**
7	**734-407**	**–**
8	**734-408**	**734-438**
9	**734-409**	**734-439**
10	**734-410**	**734-440**
12	**734-412**	**734-442**

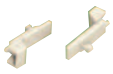
Accessories, Series 734

Coding key, snap-on type,



light grey **734-130**

Coding key, snap-on type,



light grey **734-130**

Coding key, to be snapped above top level,



light grey **734-130**

Coding key, to be snapped above buttom level,

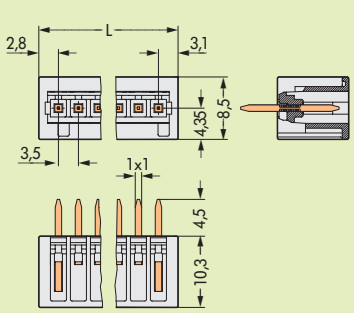


light grey **734-400**

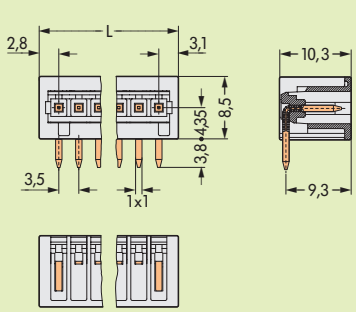
Note: **These connectors can only be mated and unmated at voltages below 42 V and in the "No load" condition.**

For mating and unmating at low power values, please request data.

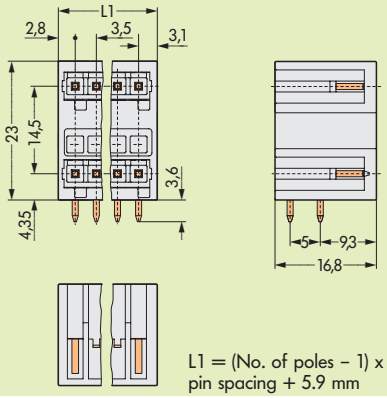
Dimensions (in mm) **Diameter of drilled hole: 1.4$^{+0.1}$ mm**



L = (No. of poles – 1) x pin spacing + 5.9 mm



L = (No. of poles – 1) x pin spacing + 5.9 mm



L1 = (No. of poles – 1) x pin spacing + 5.9 mm

* You can find approvals on the Internet at www.wago.com.

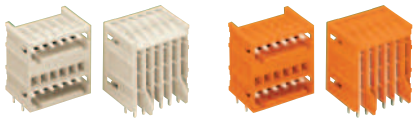
Technical explanations and abbreviations see page 10.2.

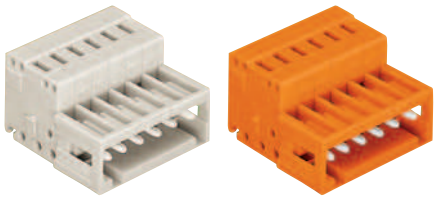
MULTI CONNECTION SYSTEM ***MINI*** **– 100 % Protected against Mismating, Double Deck Headers with Solder Pins; Male Connectors with CAGE CLAMP®, Pin Spacings 3.5 mm/0.138 in and 3.81 mm/0.15 in**

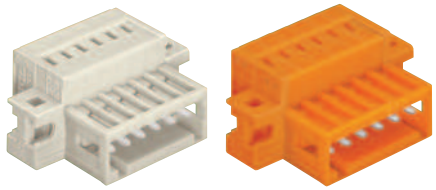
Pin spacing 3.5 mm/0.138 in, light grey
Pin spacing 3.81 mm/0.15 in, orange
250 V/2.5 kV/2 | 300 V, 10 A
10 A
*

Pin spacing 3.5 mm/0.138 in, light grey
Pin spacing 3.81 mm/0.15 in, orange
0.08 – 1.5 mm² | AWG 28 – 14
250 V/2.5 kV/2 | 300 V, 10 A
10 A | 300 V, 10 A
7 mm / 0.28 in
*

Pin spacing 3.5 mm/0.138 in, light grey
Pin spacing 3.81 mm/0.15 in, orange
0.08 – 1.5 mm² | AWG 28 – 14
250 V/2.5 kV/2 | 300 V, 10 A
10 A
7 mm / 0.28 in
*







No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.
Double deck headers with support,				**Male connectors with CAGE CLAMP®,**				**Male connectors with CAGE CLAMP® and**			
100 % protected against mismating,				**100 % protected against mismating,**				**fixing flanges, 100 % protected against mismating**			
right angle solder pin, 1 mm x 1 mm											
	pin spacing 3.5 mm	3.81 mm			pin spacing 3.5 mm	3.81 mm			pin spacing 3.5 mm	3.81 mm	
	light grey	orange			light grey	orange			light grey	orange	
2	**734-402/001-000**	2	**734-432/001-000**	2	**734-302**	2	**734-332**	2	**734-302/019-000**	2	**734-332/019-000**
3	**734-403/001-000**	3	**734-433/001-000**	3	**734-303**	3	**734-333**	3	**734-303/019-000**	3	**734-333/019-000**
4	**734-404/001-000**	4	**734-434/001-000**	:	:	:	:	:	:	:	:
5	**734-405/001-000**	5	**734-435/001-000**	9	**734-309**	6	**734-336**	9	**734-309/019-000**	6	**734-336/019-000**
6	**734-406/001-000**	6	**734-436/001-000**	10	**734-310**	8	**734-336**	10	**734-310/019-000**	8	**734-338/019-000**
7	**734-437/001-000**	–		12	**734-312**	9	**734-339**	12	**734-312/019-000**	9	**734-339/019-000**
8	**734-438/001-000**	8	**734-438/001-000**	13	**734-313**	10	**734-340**	13	**734-313/019-000**	10	**734-340/019-000**
9	**734-409/001-000**	9	**734-439/001-000**	16	**734-316**	12	**734-342**	16	**734-316/019-000**	12	**734-342/019-000**
10	**734-410/001-000**	10	**734-440/001-000**	18	**734-318**	14	**734-344**	18	**734-318/019-000**	14	**734-344/019-000**
12	**734-412/001-000**	12	**734-442/001-000**	20	**734-320**	16	**734-346**	20	**734-320/019-000**	16	**734-346/019-000**
				24	**734-324**	20	**734-350**	24	**734-324/019-000**	20	**734-350/019-000**

Special accessories



Coding key, to be snapped above buttom level, light grey **734-400**



Operating lever, for male connectors with CAGE CLAMP® **734-230**



Screw with nut, M 2 x 12, for fixing elements **231-195**

General accessories



Coding key, to be snapped above top level, light grey **734-130**



Screwdriver, with partially insulated shaft (2.5 x 0.4) mm **210-619** 1



Test pin, 1 mm/0.039 in Ø, **735-500** 1
Test wire for sold. onto test plug



Strain relief plates, see page 6.17



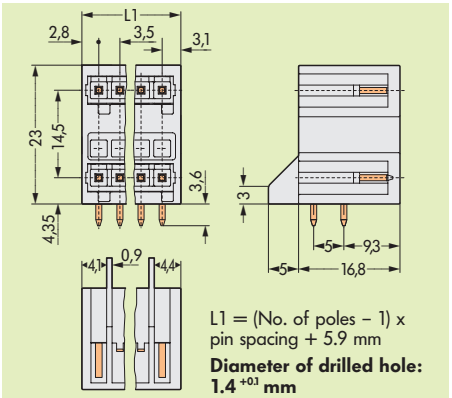
Marker card, computer marked, 80 self-adhesive strips per card, direct printing on request

Marking
1 – 16 (240x) Spac. 3.5 mm **210-332/0350-0202**
17 – 32 (240x) Spac. 3.5 mm **210-332/0350-0204**
1 – 16 (160x) Spac. 3.81 mm **210-332/0381-0202**
17 – 32 (160x) Spac. 3.81 mm **210-332/0381-0204**

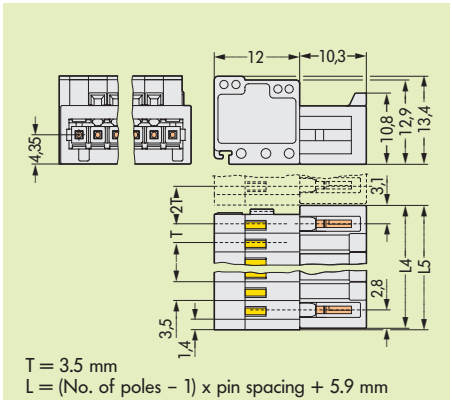
Note: **These connectors can only be mated and unmated at voltages below 42 V and in the "No load" condition.**

For mating and unmating at low power values, please request data.

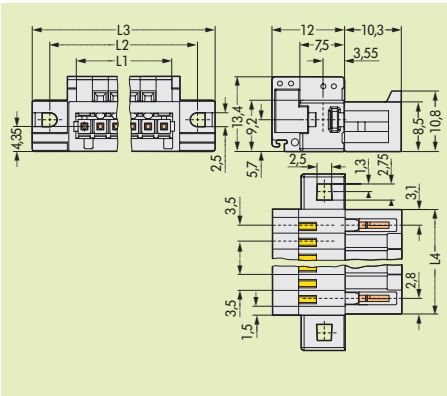
Dimensions (in mm) L_1 = No. of poles x pin spacing $L_2 = L_1 + 8.8$ mm $L_3 = L_1 + 14.8$ mm L_4 = (No. of poles –1) x pin spacing + 5.9 mm



L1 = (No. of poles – 1) x pin spacing + 5.9 mm
Diameter of drilled hole: 1.4 $^{+0.1}$ mm

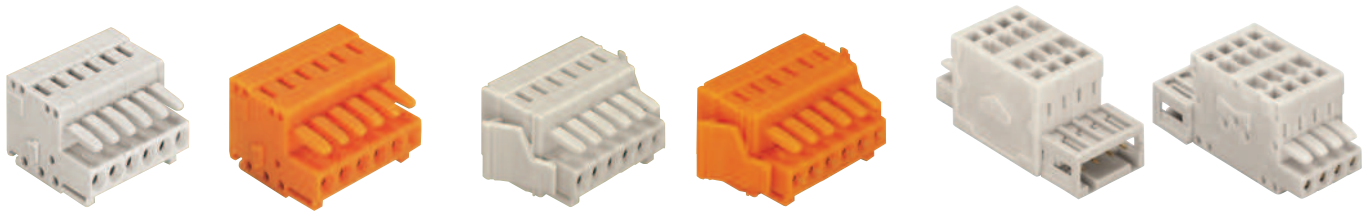


T = 3.5 mm
L = (No. of poles – 1) x pin spacing + 5.9 mm



MULTI CONNECTION SYSTEM ***MINI*** **– 100 % Protected against Mismating, Female Connectors and Combi Strip with CAGE CLAMP®, Pin Spacings 3.5 mm/0.138 in and 3.81 mm/0.15 in**

Pin spacing 3.5 mm/0.138 in, light grey **Pin spacing 3.81 mm/0.15 in,** orange **0.08 – 1.5 mm²** | **AWG 28 – 14** **250 V/2.5 kV/2** | **300 V, 10 A** **10 A** **7 mm / 0.28 in** *	**Pin spacing 3.5 mm/0.138 in,** light grey **Pin spacing 3.81 mm/0.15 in,** orange **0.08 – 1.5 mm²** | **AWG 28 – 14** **250 V/2.5 kV/2** | **300 V, 10 A** **10 A** **7 mm / 0.28 in** *	**Pin spacing 3.5 mm/0.138 in,** light grey **0.08 – 1.5 mm²** | **AWG 28 – 14** **250 V/2.5 kV/2** **10 A** **7 mm / 0.28 in**

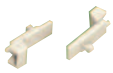


No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.	No. of poles	Item No.
Female connectors with CAGE CLAMP®, 100 % protected against mismating, with coding fingers				**Female connectors with CAGE CLAMP® and locking levers, 100 % protected against mismating,** with coding fingers				**Combi strip with CAGE CLAMP® connection, 100 % protected against mismating,** with coding fingers	
	pin spacing 3.5 mm light grey		3.81 mm orange		pin spacing 3.5 mm light grey		3.81 mm orange		pin spacing 3.5 mm light grey
2	**734-102**	2	**734-202**	2	**734-102/037-000**	2	**734-202/037-000**	2	**734-362**
3	**734-103**	3	**734-203**	3	**734-103/037-000**	3	**734-203/037-000**	3	**734-363**
:	:	:	:	:	:	:	:	4	**734-364**
9	**734-109**	6	**734-206**	9	**734-109/037-000**	6	**734-206/037-000**	5	**734-365**
10	**734-110**	8	**734-208**	10	**734-110/037-000**	8	**734-208/037-000**	6	**734-366**
12	**734-112**	9	**734-209**	12	**734-112/037-000**	9	**734-209/037-000**	7	**734-367**
13	**734-113**	10	**734-210**	13	**734-113/037-000**	10	**734-210/037-000**	8	**734-368**
16	**734-116**	12	**734-212**	16	**734-116/037-000**	12	**734-212/037-000**	9	**734-369**
18	**734-118**	14	**734-214**	18	**734-118/037-000**	14	**734-214/037-000**	10	**734-370**
20	**734-120**	16	**734-216**	20	**734-120/037-000**	16	**734-216/037-000**	12	**734-372**
24	**734-124**	20	**734-220**	24	**734-124/037-000**	20	**734-220/037-000**		

Special accessories



Operating lever, for male connectors with CAGE CLAMP®
734-230



Coding key, to be snapped above top level, light grey **734-130**

General accessories



Screwdriver, with partially insulated shaft (2.5 x 0.4) mm
210-619 1



Test pin, 1 mm/0.039 in Ø
735-500 1
Test wire for sold. onto test plug



Strain relief plates,
see page 6.17



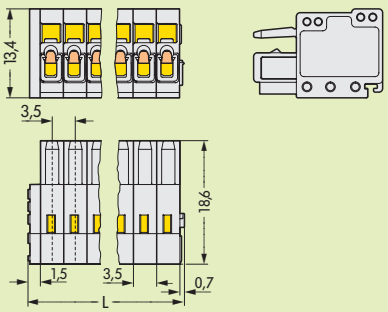
Marker card,
computer marked,
80 self-adhesive strips per card,
direct printing on request

Marking

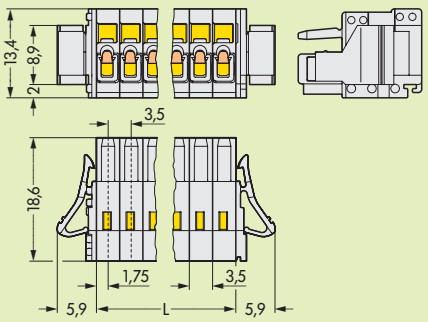
1 – 16 (240x)	Spac. 3.5 mm	**210-332/0350-0202**
17 – 32 (240x)	Spac. 3.5 mm	**210-332/0350-0204**
1 – 16 (160x)	Spac. 3.81 mm	**210-332/0381-0202**
17 – 32 (160x)	Spac. 3.81 mm	**210-332/0381-0204**

Dimensions (in mm)

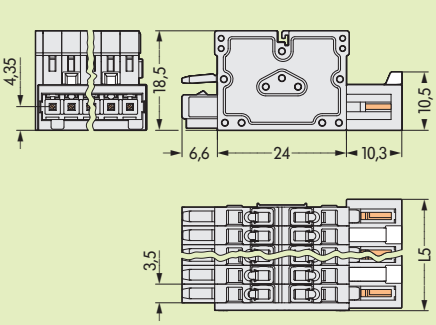
$L_5 = L_4 + 0.45$ mm



L = (No. of poles x pin spacing) + 2.2 mm

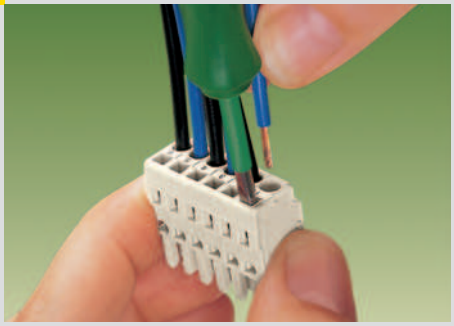


L = No. of poles x pin spacing

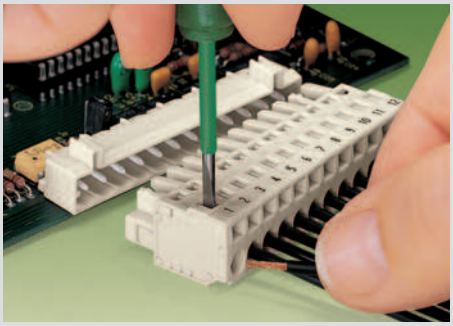


MULTI CONNECTION SYSTEM ***MIDI*** **– 100 % Protected against Mismating**
Description and Handling

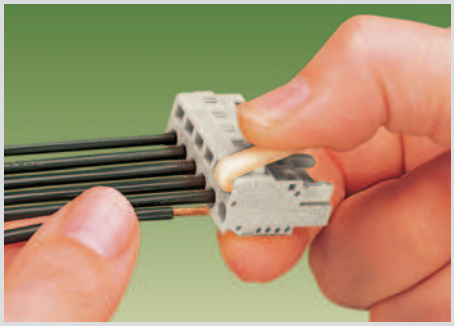
CAGE CLAMP® connection



Connection of conductors – front-entry

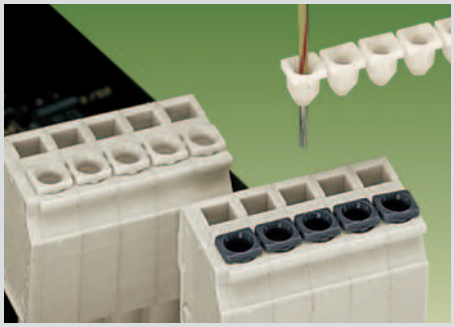


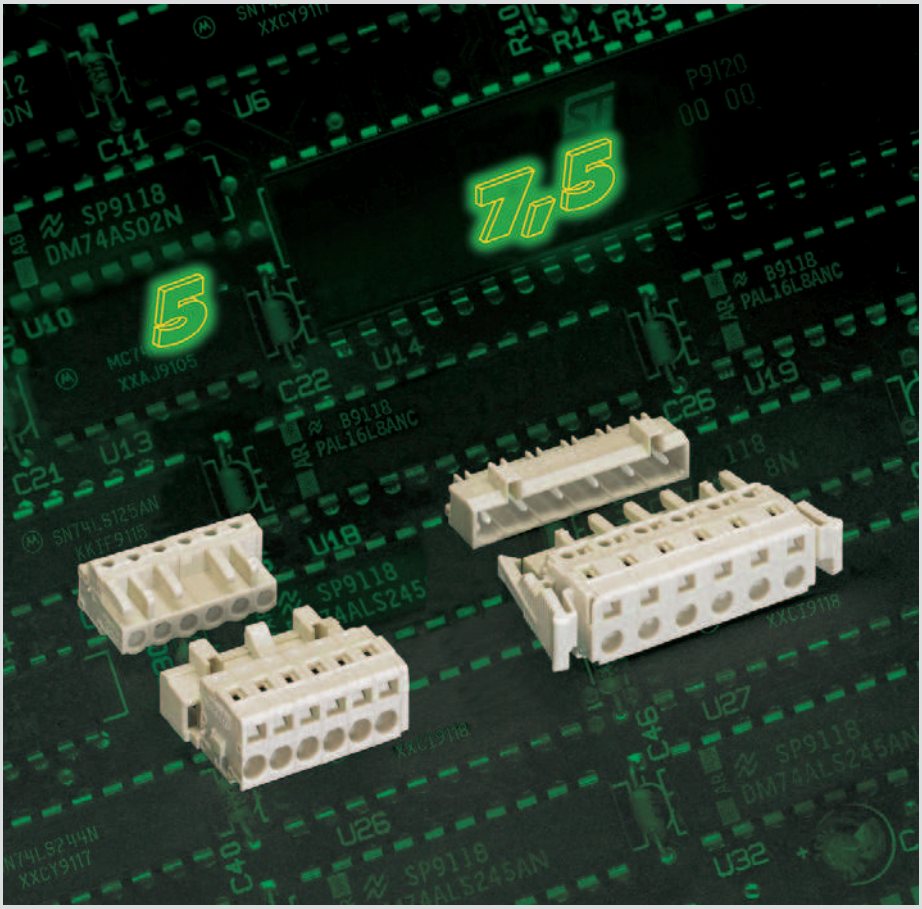
Connection of conductors – side-entry



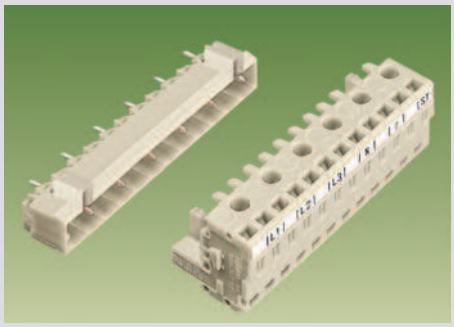
Connection of conductors – side-entry wiring with snap-on lever. Item No. 231-131

Insulation stop



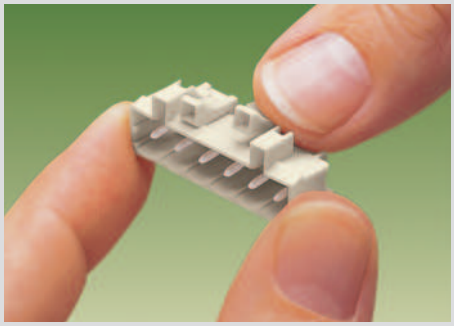


Pin spacing 10 mm/0.394 in



Pin spacing 10 mm/0.395 in on request

Coding

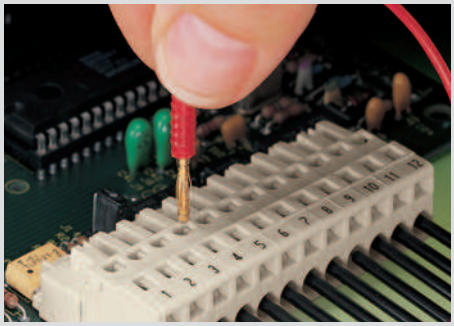


Coding of a header – fitting of coding key(s)



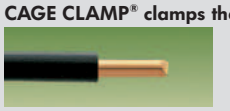
Coding of a female connector – removal of coding finger(s)

Testing



Testing with test plug 2 mm ∅ oder 2.3 mm ∅

CAGE CLAMP® clamps the following copper wires:



solid



stranded



fine-stranded



tip bonded



with crimped ferrule



with crimped pin terminal

MULTI CONNECTION SYSTEM ***MIDI*** **– 100 % Protected against Mismating, Headers with Solder Pins; Male Connectors with CAGE CLAMP®, Pin Spacings 5 mm/0.197 in and 7.5 mm/0.295 in**

Pin spacing 5 mm/0.197 in, light grey
250 V/4 kV/3 | 300 V, 10 A
12 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, light grey
400 V/6 kV/3 | 300 V, 10 A
12 A | 300 V, 15 A
* VDE CCA GL BV LR NV

Pin spacing 5 mm/0.197 in, light grey
0.08 – 2.5 mm² | AWG 28 – 12 **
250 V/4 kV/3 | 300 V, 15 A
12 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, light grey
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA GL BV LR NV

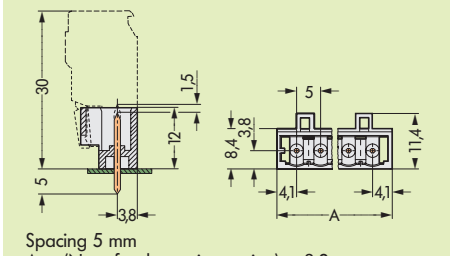
Accessories



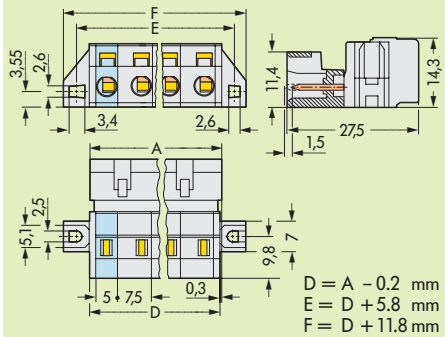
No. of poles	Item No.	Item No.
Closed end headers,		
100 % protected against mismating, light grey		
solder pin 1 mm x 1 mm		
	Pin spacing 5 mm/0.197 in	
	straight	angled
2	**721-132/001-000**	**721-432/001-000**
3	**721-133/001-000**	**721-433/001-000**
4	**721-134/001-000**	**721-434/001-000**
5	**721-135/001-000**	**721-435/001-000**
6	**721-136/001-000**	**721-436/001-000**
7	**721-137/001-000**	**721-437/001-000**
8	**721-138/001-000**	**721-438/001-000**
9	**721-139/001-000**	**721-439/001-000**
10	**721-140/001-000**	**721-440/001-000**
12	**721-142/001-000**	**721-442/001-000**
14	**721-144/001-000**	**721-444/001-000**
16	**721-146/001-000**	**721-446/001-000**
20	**721-150/001-000**	**721-450/001-000**
	Pin spacing 7.5 mm/0.295 in	
	straight	angled
2	**721-232/001-000**	**721-832/001-000**
3	**721-233/001-000**	**721-833/001-000**
4	**721-234/001-000**	**721-834/001-000**
5	**721-235/001-000**	**721-835/001-000**
6	**721-236/001-000**	**721-836/001-000**
7	**721-237/001-000**	**721-837/001-000**
8	**721-238/001-000**	**721-838/001-000**
9	**721-239/001-000**	**721-839/001-000**
10	**721-240/001-000**	**721-840/001-000**
11	**721-241/001-000**	**721-841/001-000**
12	**721-242/001-000**	**721-842/001-000**

No. of poles	Item No.	Item No.
Male connectors with CAGE CLAMP®,		
100 % protected against mismating, light grey		
	Pin spacing 5 mm/0.197 in	
		with fixing flanges
2	**721-602**	**721-602/019-000**
3	**721-603**	**721-603/019-000**
4	**721-604**	**721-604/019-000**
5	**721-605**	**721-605/019-000**
6	**721-606**	**721-606/019-000**
7	**721-607**	**721-607/019-000**
8	**721-608**	**721-608/019-000**
9	**721-609**	**721-609/019-000**
10	**721-610**	**721-610/019-000**
12	**721-612**	**721-612/019-000**
14	**721-614**	**721-614/019-000**
16	**721-616**	**721-616/019-000**
20	**721-620**	**721-620/019-000**
	Pin spacing 7.5 mm/0.295 in	
		with fixing flanges
2	**723-602**	**723-602/019-000**
3	**723-603**	**723-603/019-000**
4	**723-604**	**723-604/019-000**
5	**723-605**	**723-605/019-000**
6	**723-606**	**723-606/019-000**
7	**723-607**	**723-607/019-000**
8	**723-608**	**723-608/019-000**
9	**723-609**	**723-609/019-000**
10	**723-610**	**723-610/019-000**
11	**723-611**	**723-611/019-000**
12	**723-612**	**723-612/019-000**

Dimensions (in mm) **Diameter of drilled hole: 1.4$^{+0.1}$ mm (solder pin 1 mm x 1 mm)**



Spacing 5 mm
A = (No. of poles x pin spacing) + 3.2 mm
Spacing 7.5 mm
A = (No. of poles – 1) x pin spacing + 8 mm



D = A – 0.2 mm
E = D + 5.8 mm
F = D + 11.8 mm

Accessories, Series 721 and 723

Item No.
Marker strips, self-adhesive
Spacing 5 mm/0.197 in
1–12 (300 x) **210-331/0500-0103**
13–24 (300 x) **210-331/0500-0104**
Spacing 7.5 mm/0.295 in
1–16 (100 x) **210-331/0750-0202**
Coding key, snap-on type,
Spacing 5 mm/0.197 in
light grey **231-129**
Spacing 7.5 mm/0.295 in
light grey **231-130**
Insulation stop, 5 pcs/strip
Spacing 5 mm/0.197 in
0.08 - 0.2 mm² ❶
white **231-670**
0.25 - 0.5 mm²
light grey **231-671**
0.75 - 1 mm²
dark grey **231-672**
Spacing 7.5 mm/0.295 in
0.08 - 0.2 mm² ❶
white **231-673**
0.25 - 0.5 mm²
light grey **231-674**
0.75 - 1 mm²
dark grey **231-675**
❶ 0.2 mm²"s" (0.14 mm²"f-st")
Fixing element, horizontal,
grey **231-193**
Tapping screw,
B 2.2 x 13 **231-194**
B 2.2 x 9.5 **209-147**
Fixing hole Ø 1.8 mm
Screw M 2 x 12 with nut
231-195
for fixing element
Test plug, with cable 500 mm/1'7.7" long
2 mm Ø **210-136** red
2.3 mm Ø **210-137** yellow

MULTI CONNECTION SYSTEM ***MIDI*** **– 100 % Protected against Mismating, Female Connectors with Solder Pins, Pin Spacings 5 mm/0.197 in and 7.5 mm/0.295 in**

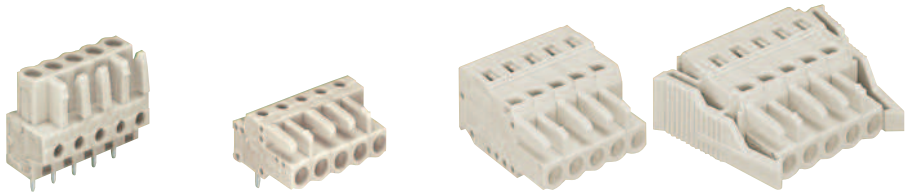
Pin spacing 5 mm/0.197 in, light grey
250 V/4 kV/3 | 300 V, 10 A
12 A | 300 V, 15 A

Pin spacing 7.5 mm/0.295 in, light grey
400 V/6 kV/3 | 300 V, 10 A
* CCA GL BV LR NV

Pin spacing 5 mm/0.197 in, light grey
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
16 A

Pin spacing 7.5 mm/0.295 in, light grey
400 V/6 kV/3 | 300 V, 10 A
* VDE CCA GL BV LR NV

Accessories



Female connectors with solder pins,
100 % protected against mismating,
with coding fingers, with two latches, light grey,
solder pin 0.6 mm x 1 mm

No. of poles	Item No. straight	Item No. angled
Pin spacing 5 mm/0.197 in		
2**	**722-132**	**722-232**
3	**722-133**	**722-233**
4	**722-134**	**722-234**
5	**722-135**	**722-235**
6	**722-136**	**722-236**
:	:	:
10	**722-140**	**722-240**
12	**722-142**	**722-242**
14	**722-144**	**722-244**
16	**722-146**	**722-246**
20	**722-150**	**722-250**
Pin spacing 7.5 mm/0.295 in		
2**	**722-732**	**722-832**
3	**722-733**	**722-833**
4	**722-734**	**722-834**
5	**722-735**	**722-835**
6	**722-736**	**722-836**
7	**722-737**	**722-837**
8	**722-738**	**722-838**
9	**722-739**	**722-839**
10	**722-740**	**722-840**
11	**722-741**	**722-841**
12	**722-742**	**722-842**

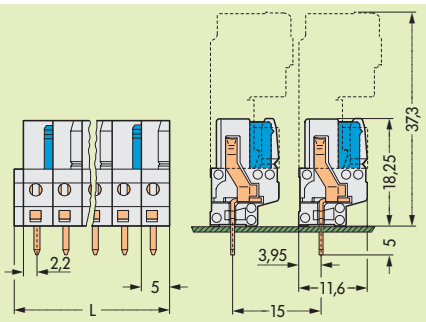
** one latch only

Female connectors with CAGE CLAMP®,
100 % protected against mismating,
with coding fingers, with two latches, light grey,

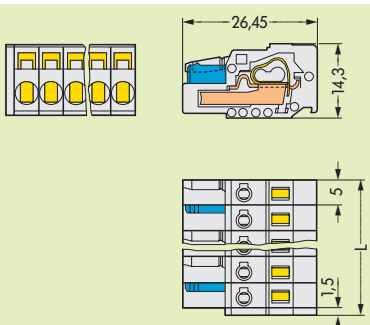
No. of poles	Item No. with locking device	Item No.
Pin spacing 5 mm/0.197 in		
2**	**721-102/026-000**	**721-102/037-000**
3	**721-103/026-000**	**721-103/037-000**
4	**721-104/026-000**	**721-104/037-000**
5	**721-105/026-000**	**721-105/037-000**
6	**721-106/026-000**	**721-106/037-000**
:	:	:
10	**721-110/026-000**	**721-110/037-000**
12	**721-112/026-000**	**721-112/037-000**
14	**721-114/026-000**	**721-114/037-000**
16	**721-116/026-000**	**721-116/037-000**
20	**721-120/026-000**	**721-120/037-000**
Pin spacing 7.5 mm/0.295 in		
2**	**721-202/026-000**	**721-202/037-000**
3	**721-203/026-000**	**721-203/037-000**
4	**721-204/026-000**	**721-204/037-000**
5	**721-205/026-000**	**721-205/037-000**
6	**721-206/026-000**	**721-206/037-000**
7	**721-207/026-000**	**721-207/037-000**
8	**721-208/026-000**	**721-208/037-000**
9	**721-209/026-000**	**721-209/037-000**
10	**721-210/026-000**	**721-210/037-000**
11	**721-211/026-000**	**721-211/037-000**
12	**721-212/026-000**	**721-212/037-000**

** one latch only

Dimensions (in mm) **Diameter of drilled hole: 1.3 $^{+0.1}$ mm**



L = (No. of poles x pin spacing) + 1.5 mm



L = (No. of poles x pin spacing) + 1.5 mm

Accessories, Series 721 and 722 Item No.

Marker strips, 100 self-adhesive strips



Spacing 5 mm/0.197 in
1–12 (300 x) **210-331/0500-0103**
13–24 (300 x) **210-331/0500-0104**

Spacing 7.5 mm/0.295 in
1–16 (100 x) **210-331/0750-0202**

Insulation stop, 5 pcs/strip



Spacing 5 mm/0.197 in
0.08 - 0.2 mm² ❶
white **231-670**
0.25 - 0.5 mm²
light grey **231-671**
0.75 - 1 mm²
dark grey **231-672**

Spacing 7.5 mm/0.295 in
0.08 - 0.2 mm² ❶
white **231-673**
0.25 - 0.5 mm²
light grey **231-674**
0.75 - 1 mm²
dark grey **231-675**

❶ 0.2 mm²"s" (0.14 mm²"f-st")

Test plug for female connectors,



with CAGE CLAMP®
pin spacings 5 mm and 5.08 mm
231-661
pin spacings 7.5 mm and 7.62 mm
231-662

Test plug, with cable 500 mm/1'7.7" long



2 mm Ø **210-136** red
2.3 mm Ø **210-137** yellow

Operating tool, for female connectors and male connectors with CAGE CLAMP®



210-250

Operating lever, loose,



for female connectors and male connectors with CAGE CLAMP®
231-131

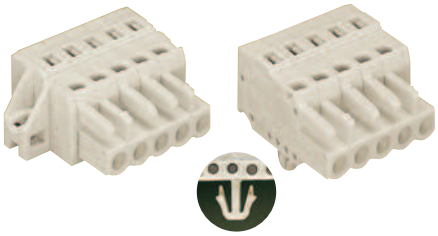
* You can find approvals on the Internet at www.wago.com.
Technical explanations and abbreviations see page 10.2.

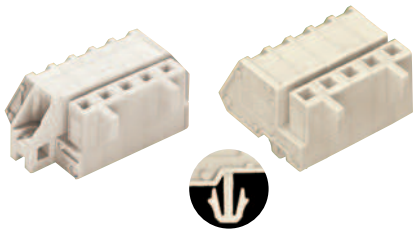
MULTI CONNECTION SYSTEM ***MIDI*** **– 100 % Protected against Mismating, Female Connectors with CAGE CLAMP®, Pin Spacing 5 mm/0.197 in and 7.5 mm/0.295 in**

Pin spacing 5 mm/0.197 in, light grey
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
12 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, light grey
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA GL BV LR NV

Pin spacing 5 mm/0.197 in, light grey
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
12 A | 300 V, 15 A
Pin spacing 7.5 mm/0.295 in, light grey
400 V/6 kV/3 |
* CCA LR NV

Accessories

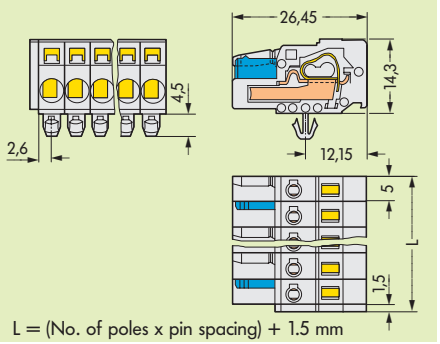




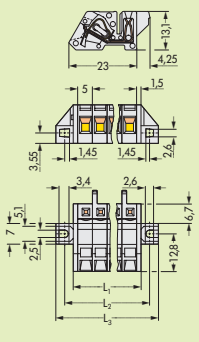
No. of poles	Item No.	Item No.
Female connectors with CAGE CLAMP® and fixing flanges for panel mounting, 100 % protected against mismating, with coding fingers, with two latches, for screw or similar methods of fixing, light grey		
and snap-in mounting feet, for plate thickness 0.6 mm –1.2 mm, fixing hole Ø 3.5 mm, (or with mounting adapter 209-137 for DIN 35 rail)		
	Pin spacing 5 mm/0.197 in	
	with fixing flanges	with mounting feet
2**	**721-102/031-000**	**721-102/008-000**
3	**721-103/031-000**	**721-103/008-000**
4	**721-104/031-000**	**721-104/008-000**
5	**721-105/031-000**	**721-105/008-000**
6	**721-106/031-000**	**721-106/008-000**
:	:	:
10	**721-110/031-000**	**721-110/008-000**
12	**721-112/031-000**	**721-112/008-000**
14	**721-114/031-000**	**721-114/008-000**
16	**721-116/031-000**	**721-116/008-000**
20	**721-120/031-000**	**721-120/008-000**
	Pin spacing 7.5 mm/0.295 in	
	with fixing flanges	with mounting feet
2**	**721-202/031-000**	**721-202/008-000**
3	**721-203/031-000**	**721-203/008-000**
4	**721-204/031-000**	**721-204/008-000**
5	**721-205/031-000**	**721-205/008-000**
6	**721-206/031-000**	**721-206/008-000**
:	:	:
11	**721-211/031-000**	**721-211/008-000**
12	**721-212/031-000**	**721-212/008-000**
** one latch only		

No. of poles	Item No.	Item No.
Angled female connectors with CAGE CLAMP® and fixing flanges for panel mounting, 100 % protected against mismating, with two latches, for screw or similar methods of fixing, light grey		
and snap-in mounting feet, for plate thickness 0.6 mm –1.2 mm, fixing hole Ø 3.5 mm		
	Pin spacing 5 mm/0.197 in	
	with fixing flanges	with mounting feet
2	**721-302/031-000**	**721-302/008-000**
3	**721-303/031-000**	**721-303/008-000**
4	**721-304/031-000**	**721-304/008-000**
5	**721-305/031-000**	**721-305/008-000**
6	**721-306/031-000**	**721-306/008-000**
:	:	:
10	**721-310/031-000**	**721-310/008-000**
12	**721-312/031-000**	**721-312/008-000**
14	**721-314/031-000**	**721-314/008-000**
16	**721-316/031-000**	**721-316/008-000**
20	**721-320/031-000**	**721-320/008-000**
	Pin spacing 7.5 mm/0.295 in	
	with fixing flanges	with mounting feet
2	**721-332/031-000**	**721-332/008-000**
3	**721-333/031-000**	**721-333/008-000**
4	**721-334/031-000**	**721-334/008-000**
5	**721-335/031-000**	**721-335/008-000**
6	**721-336/031-000**	**721-336/008-000**
:	:	:
11	**721-341/031-000**	**721-341/008-000**
12	**721-342/031-000**	**721-342/008-000**

Dimensions L_1 = (No. of poles x pin spacing) + 3 mm L_2 = (No. of poles x pin spacing) + 8.8 mm
L_3 = (No. of poles x pin spacing) + 14.8 mm



L = (No. of poles x pin spacing) + 1.5 mm



Accessories, Series 721

Marker strips, 100 self-adhesive strips



Spacing 5 mm/0.197 in
1–12 (300 x) **210-331/0500-0103**
13–24 (300 x) **210-331/0500-0104**
Spacing 7.5 mm/0.295 in
1–16 (100 x) **210-331/0750-0202**

Insulation stop, 5 pcs/strip



Spacing 5 mm/0.197 in
0.08 - 0.2 mm² ❶
white **231-670**
0.25 - 0.5 mm²
light grey **231-671**
0.75 - 1 mm²
dark grey **231-672**
Spacing 7.5 mm/0.295 in
0.08 - 0.2 mm² ❶
white **231-673**
0.25 - 0.5 mm²
light grey **231-674**
0.75 - 1 mm²
dark grey **231-675**

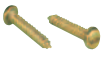
❶ 0.2 mm²"s" (0.14 mm²"f-st")

Mounting adapter, for DIN 35 rail,



grey **209-137**
3 or more poles

Tapping screw,



B 2.2 x 9.5 **209-147**
fixing hole Ø 1.8 mm

Test plug, with cable 500 mm/1'7.7" long



2 mm Ø **210-136** red
2.3 mm Ø **210-137** yellow

Countersunk screw, M 2 x 12



not offered by WAGO

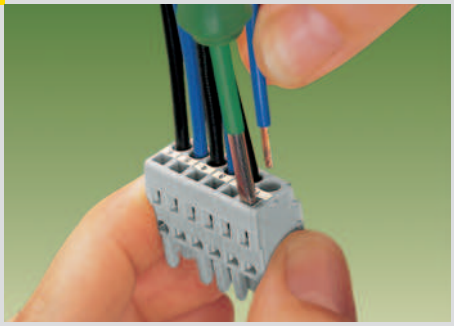
Screwdriver, with partially insulated shaft



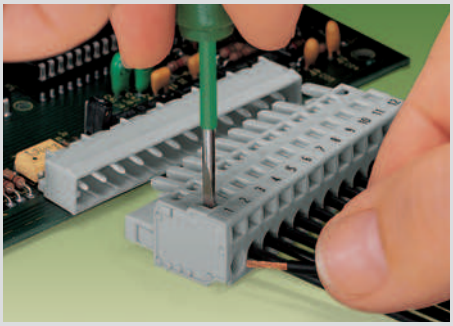
(3.5 x 0.5) mm
210-620

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

CAGE CLAMP® connection



Connection of conductors – front-entry

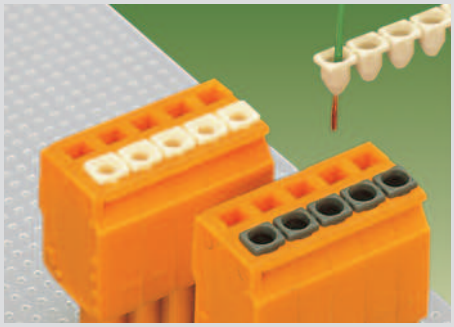


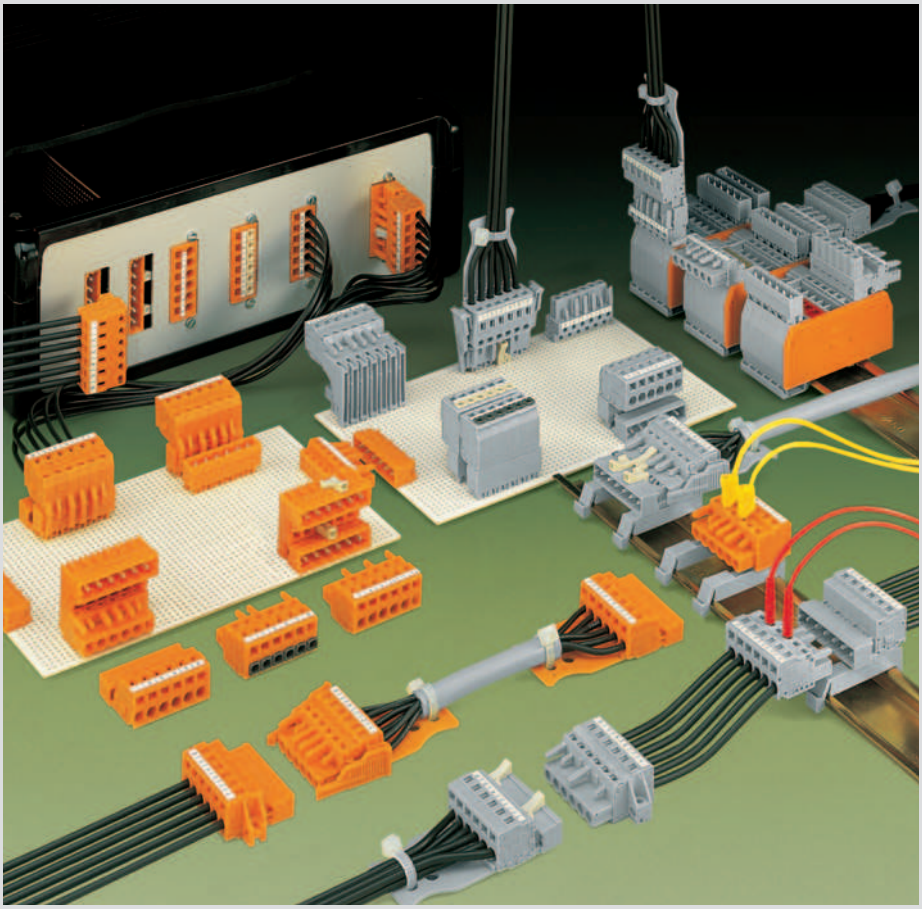
Connection of conductors – side-entry



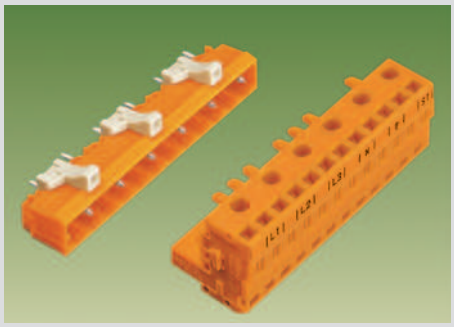
Connection of conductors – side-entry wiring with snap-on lever. Item No. 231-131

Insulation stop



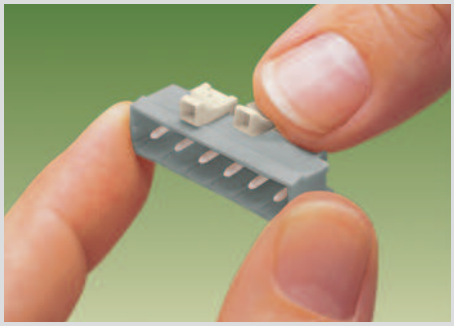


Pin spacings 10 mm/0.394 in and 10.16 mm/0.4 in

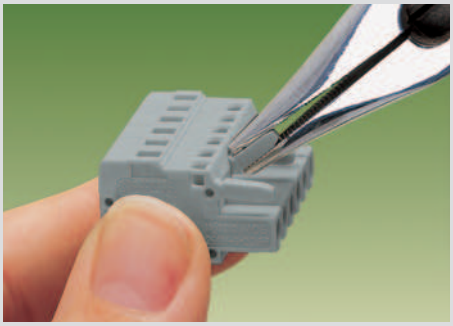


Here shown with 10.16 mm/0.4 in spacing, contact factory

Coding

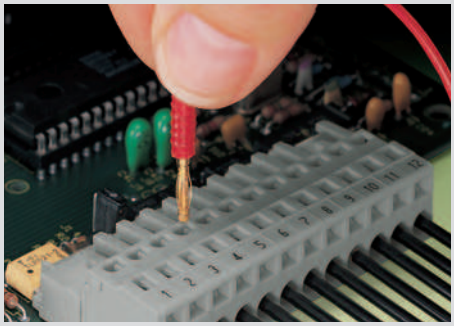


Coding of a header – fitting of coding key(s)



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

Testing



Testing with test plug 2 mm/0.079 in Ø or 2.3 mm/0.091 in Ø

CAGE CLAMP® clamps the following copper wires:



solid



stranded



fine-stranded



tip bonded



with crimped ferrule



with crimped pin terminal

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

Pin spacing 5 mm/0.197 in, grey
250 V/4 kV/3 | 300 V, 10 A
12 A

Pin spacing 7.5 mm/0.295 in, grey
400 V/6 kV/3 | 300 V, 10 A
12 A

* VDE CCA CNET GL BV

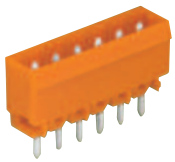
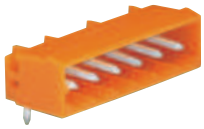
Pin spacing 5.08 mm/0.2 in, orange
250 V/4 kV/3 | 300 V, 10 A
12 A

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

* VDE CCA CNET GL BV

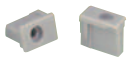
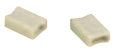
Accessories



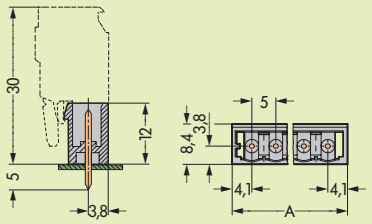



No. of poles	Item No.	Item No.
Headers with solder pins, grey		
solder pin 1 mm x 1 mm		
	Pin spacing 5 mm	
	straight	angled
2	**231-132/001-000**	**231-432/001-000**
3	**231-133/001-000**	**231-433/001-000**
4	**231-134/001-000**	**231-434/001-000**
:	:	:
12	**231-142/001-000**	**231-442/001-000**
:	:	:
21	**231-151/001-000**	**231-451/001-000**
22	**231-152/001-000**	**231-452/001-000**
23	**231-153/001-000**	**231-453/001-000**
24	**231-154/001-000**	**231-454/001-000**
	Pin spacing 7.5 mm	
	straight	angled
2	**231-232/001-000**	**231-832/001-000**
3	**231-233/001-000**	**231-833/001-000**
4	**231-234/001-000**	**231-834/001-000**
5	**231-235/001-000**	**231-835/001-000**
6	**231-236/001-000**	**231-836/001-000**
7	**231-237/001-000**	**231-837/001-000**
8	**231-238/001-000**	**231-838/001-000**
9	**231-239/001-000**	**231-839/001-000**
10	**231-240/001-000**	**231-840/001-000**
11	**231-241/001-000**	**231-841/001-000**
12	**231-242/001-000**	**231-842/001-000**
13	**231-243/001-000**	**231-843/001-000**
16	**231-246/001-000**	**231-846/001-000**

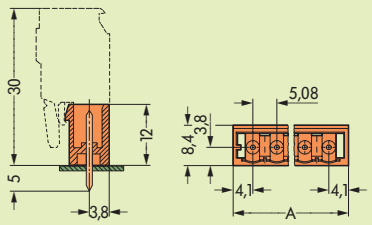
No. of poles	Item No.	Item No.
Headers with solder pins, orange,		
solder pin 1 mm x 1 mm		
	Pin spacing 5.08 mm	
	straight	angled
2	**231-332/001-000**	**231-532/001-000**
3	**231-333/001-000**	**231-533/001-000**
4	**231-334/001-000**	**231-534/001-000**
:	:	
12	**231-342/001-000**	**231-542/001-000**
:	:	
21	**231-351/001-000**	**231-551/001-000**
22	**231-352/001-000**	**231-552/001-000**
23	**231-353/001-000**	**231-553/001-000**
24	**231-354/001-000**	**231-554/001-000**
	Pin spacing 7.62 mm	
	straight	angled
2	**231-732/001-000**	**231-932/001-000**
3	**231-733/001-000**	**231-933/001-000**
4	**231-734/001-000**	**231-934/001-000**
5	**231-735/001-000**	**231-935/001-000**
6	**231-736/001-000**	**231-936/001-000**
7	**231-737/001-000**	**231-937/001-000**
8	**231-738/001-000**	**231-938/001-000**
9	**231-739/001-000**	**231-939/001-000**
10	**231-740/001-000**	**231-940/001-000**
11	**231-741/001-000**	**231-941/001-000**
12	**231-742/001-000**	**231-942/001-000**

Accessories, Series 231	Item No.
Coding key, snap-on type,	
	**Spacings 5 mm and 5.08 mm**
	light grey **231-129**
	Spacings 7.5 mm and 7.62 mm
	light grey **231-130**
Fixing element, horizontal	
	**Spacings 5 mm and 7.5 mm**
	grey **231-193**
Fixing element, horizontal	
	**Spacings 5.08 mm and 7.62 mm**
	orange **231-393**
Tapping screw,	
	B 2.2 x 13 **231-194**
	fixing hole Ø 1.8 mm
Screw with nut,	
	M 2 x 12 **231-195**
	for fixing element
Separator, for formation of groups,	
	light grey **231-500**

Dimensions (in mm) **Diameter of drilled hole: 1.4$^{+0.1}$mm (solder pin 1mm x 1 mm)**



Spacing 5 mm
A = (No. of poles x pin spacing) + 3.2 mm
Spacing 7.5 mm
A = (No. of poles – 1) x pin spacing + 8 mm



Spacing 5 mm
A = (No. of poles x pin spacing) + 3.2 mm
Spacing 7.5 mm
A = (No. of poles – 1) x pin spacing + 8 mm

* You can find approvals on the Internet at www.wago.com.

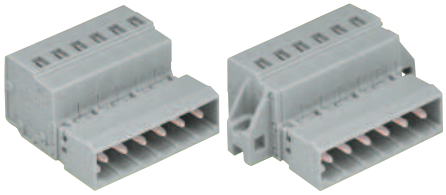
Technical explanations and abbreviations see page 10.2.

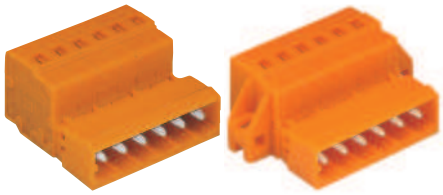
MULTI CONNECTION SYSTEM ***MIDI***
Male Connectors with CAGE CLAMP®, Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in; 7.62 mm/0.3 in

Pin spacing 5 mm/0.197 in, grey
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
12 A
Pin spacing 7.5 mm/0.295 in, grey
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA CNETGL BV

Pin spacing 5.08 mm/0.2 in, orange
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
12 A
Pin spacing 7.62 mm/0.3 in, orange
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA CNETGL BV

Accessories

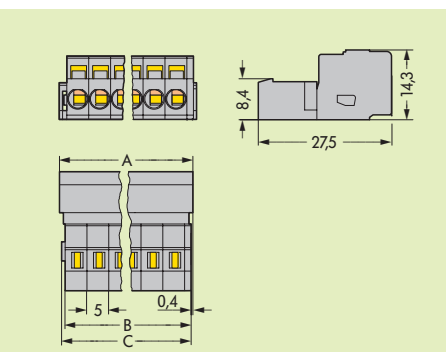


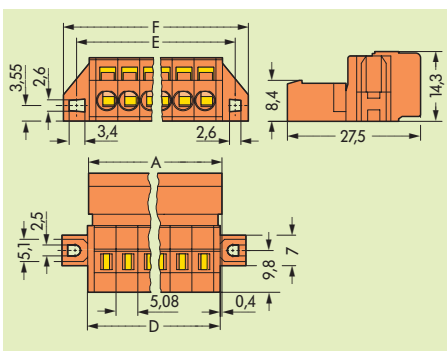


No. of poles	Item No.	Item No.
Male connectors with CAGE CLAMP®, grey,		
and fixing flanges, for screw fixing or similar methods, for vertical or horizontal fixing		
	Pin spacing 5 mm	
		with fixing flanges
2	**231-602**	**231-602/019-000**
3	**231-603**	**231-602/019-000**
4	**231-604**	**231-602/019-000**
:	:	:
12	**231-612**	**231-602/019-000**
:	:	:
21	**231-621**	**231-602/019-000**
22	**231-622**	**231-602/019-000**
23	**231-623**	**231-602/019-000**
24	**231-624**	**231-602/019-000**
	Pin spacing 7.5 mm	
		with fixing flanges
2	**731-602**	**731-602/019-000**
3	**731-603**	**731-603/019-000**
4	**731-604**	**731-604/019-000**
5	**731-605**	**731-605/019-000**
6	**731-606**	**731-606/019-000**
7	**731-607**	**731-607/019-000**
8	**731-608**	**731-608/019-000**
9	**731-609**	**731-609/019-000**
10	**731-610**	**731-610/019-000**
11	**731-611**	**731-611/019-000**
12	**731-612**	**731-612/019-000**
13	**731-613**	**731-613/019-000**
16	**731-616**	**731-616/019-000**

No. of poles	Item No.	Item No.
Male connectors with CAGE CLAMP®, orange,		
and fixing flanges, for screw fixing or similar methods, for vertical or horizontal fixing		
	Pin spacing 5.08 mm	
		with fixing flanges
2	**231-632**	**231-632/019-000**
3	**231-633**	**231-632/019-000**
4	**231-634**	**231-632/019-000**
:	:	:
12	**231-642**	**231-642/019-000**
:	:	:
21	**231-651**	**231-651/019-000**
22	**231-652**	**231-652/019-000**
23	**231-653**	**231-653/019-000**
24	**231-654**	**231-654/019-000**
	Pin spacing 7.62 mm	
		with fixing flanges
2	**731-632**	**731-632/019-000**
3	**731-633**	**731-633/019-000**
4	**731-634**	**731-634/019-000**
5	**731-635**	**731-635/019-000**
6	**731-636**	**731-636/019-000**
7	**731-637**	**731-637/019-000**
8	**731-638**	**731-638/019-000**
9	**731-639**	**731-639/019-000**
10	**731-640**	**731-640/019-000**
11	**731-641**	**731-641/019-000**
12	**731-642**	**731-642/019-000**

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





Accessories, Series 231 and 731	Item No.
Marker 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 5.08 mm
	1–12 (200 x) **210-331/0508-0103**
	13–24 (200 x) **210-331/0508-0104**
	Spacing 7.5 mm
	1–16 (100 x) **210-331/0750-0202**
	Spacing 7.62 mm
	1–16 (100 x) **210-331/0762-0202**
Coding key, snap-on type,	
	Spacings 5 mm and 5.08 mm
	light grey **231-129**
	Spacings 7.5 mm and 7.62 mm
	light grey **231-130**
Insulation stop, 5 pcs/strip	
	Spacings 5 mm and 5.08 mm
	0.08 - 0.2 mm² ❶
	white **231-670**
	0.25 - 0.5 mm²
	light grey **231-671**
	0.75 - 1 mm²
	dark grey **231-672**
	Spacings 7.5 mm and 7.62 mm
	0.08 - 0.2 mm² ❶
	white **231-673**
	0.25 - 0.5 mm²
	light grey **231-674**
	0.75 - 1 mm²
	dark grey **231-675**
❶ 0.2 mm²"s" (0.14 mm²"f-st")	
Tapping screw,	
	B 2.2 x 9.5 **209-147**
	fixing hole Ø 1.8 mm
Separator, for formation of groups,	
	light grey **231-500**

* You can find approvals on the Internet at www.wago.com.
Technical explanations and abbreviations see page 10.2.

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, grey
250 V/4 kV/3 | 300 V, 15 A
12 A

Pin spacing 7.5 mm/0.295 in, grey
400 V/6 kV/3 | 300 V, 15 A
12 A

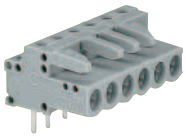
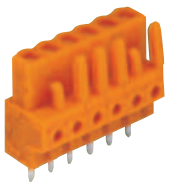
* CNETGL BV

Pin spacing 5.08 mm/0.2 in, orange
250 V/4 kV/3 | 300 V, 15 A
12 A

Pin spacing 7.62 mm/0.3 in, orange
400 V/6 kV/3 | 300 V, 15 A
12 A

* CNETGL BV

Accessories

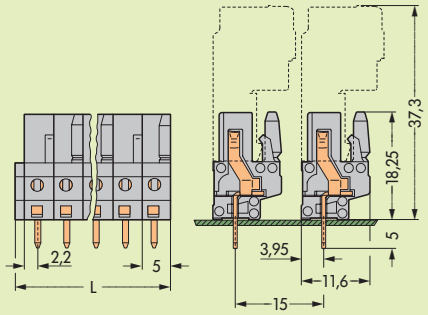





No. of poles	Item No.	Item No.
Female connectors with solder pins, with coding fingers, with two latches, grey, solder pin 0.6 mm x 1 mm		
	Pin spacing 5 mm	
	straight	angled
2**	**232-132**	**232-232**
3**	**232-133**	**232-233**
4	**232-134**	**232-234**
5	**232-135**	**232-235**
:	:	:
12	**232-142**	**232-242**
:	:	:
21	**232-151**	**232-251**
22	**232-152**	**232-252**
23	**232-153**	**232-253**
24	**232-154**	**232-254**
	Pin spacing 7.5 mm	
	straight	angled
2**	**232-732**	**232-832**
3**	**232-733**	**232-833**
4	**232-734**	**232-834**
5	**232-735**	**232-835**
6	**232-736**	**232-836**
7	**232-737**	**232-837**
8	**232-738**	**232-838**
9	**232-739**	**232-839**
10	**232-740**	**232-840**
11	**232-741**	**232-841**
12	**232-742**	**232-842**
13	**232-743**	**232-843**
16	**232-746**	**232-846**
**one latch only		

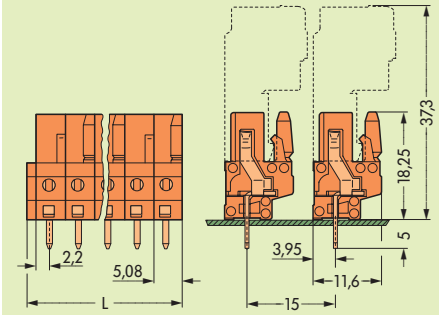
No. of poles	Item No.	Item No.
Female connectors with solder pins, with coding fingers, with two latches, orange, solder pin 0.6 mm x 1 mm		
	Pin spacing 5.08 mm	
	straight	angled
2**	**232-162**	**232-262**
3**	**232-1333**	**232-263**
4	**232-164**	**232-264**
5	**232-165**	**232-265**
:	:	:
12	**232-172**	**232-272**
:	:	:
21	**232-181**	**232-281**
22	**232-182**	**232-282**
23	**232-183**	**232-283**
24	**232-184**	**232-284**
	Pin spacing 7.62 mm	
	straight	angled
2**	**232-762**	**232-862**
3**	**232-763**	**232-863**
4	**232-764**	**232-864**
5	**232-765**	**232-865**
6	**232-766**	**232-866**
7	**232-767**	**232-867**
8	**232-768**	**232-868**
9	**232-769**	**232-869**
10	**232-770**	**232-870**
11	**232-711**	**232-871**
12	**232-772**	**232-872**
**one latch only		

Accessories, Series 232	Item No.
Marker 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 5.08 mm
	1–12 (200 x) **210-331/0508-0103**
	13–24 (200 x) **210-331/0508-0104**
	Spacing 7.5 mm
	1–16 (100 x) **210-331/0750-0202**
	Spacing 7.62 mm
	1–16 (100 x) **210-331/0762-0202**
Test plug, with cable 500 mm/1'7.7" long,	
	2 mm Ø **210-136** red
	2.3 mm Ø **210-137** yellow

Dimensions (in mm)



L = (No. of poles x pin spacing) + 1.5 mm



L = (No. of poles x pin spacing) + 1.5 mm

Please find the entire product range in our General Catalogue W4, Volume 2. More informations at www.wago.com.

MULTI CONNECTION SYSTEM ***MIDI***
Female Connectors with CAGE CLAMP®, 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

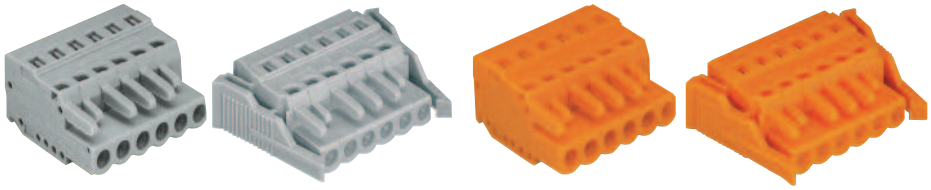
Pin spacing 5 mm/0.197 in, grey
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
16 A

Pin spacing 7.5 mm/0.295 in, grey
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA CNETGL BV

Pin spacing 5.08 mm/0.2 in, orange
0.08 – 2,5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
16 A

Pin spacing 7.62 mm/0.3 in, orange
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA CNETGL BV

Accessories



Female connectors with CAGE CLAMP®, with coding fingers, with two latches, grey

No. of poles	Item No.	Item No.
	Pin spacing 5 mm	
		with locking device
2**	**231-102/026-000**	**231-102/037-000**
3**	**231-103/026-000**	**231-103/037-000**
4	**231-104/026-000**	**231-104/037-000**
5	**231-105/026-000**	**231-105/037-000**
:	:	:
12	**231-112/026-000**	**231-112/037-000**
:	:	:
21	**231-121/026-000**	**231-121/037-000**
22	**231-122/026-000**	**231-122/037-000**
23	**231-123/026-000**	**231-123/037-000**
24	**231-124/026-000**	**231-124/037-000**
	Pin spacing 7.5 mm	
		with locking device
2**	**231-202/026-000**	**231-202/037-000**
3**	**231-203/026-000**	**231-203/037-000**
4	**231-204/026-000**	**231-204/037-000**
5	**231-205/026-000**	**231-205/037-000**
6	**231-206/026-000**	**231-206/037-000**
7	**231-207/026-000**	**231-207/037-000**
8	**231-208/026-000**	**231-208/037-000**
9	**231-209/026-000**	**231-209/037-000**
10	**231-210/026-000**	**231-210/037-000**
11	**231-211/026-000**	**231-211/037-000**
12	**231-212/026-000**	**231-212/037-000**
13	**231-213/026-000**	**231-213/037-000**
16	**231-216/026-000**	**231-216/037-000**

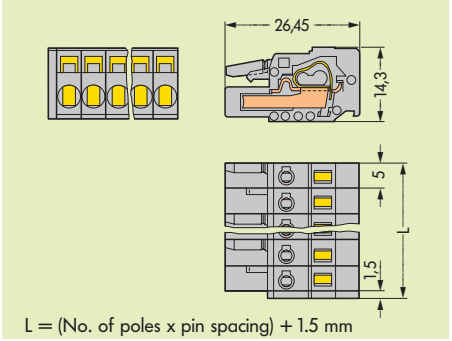
**one latch only

Female connectors with CAGE CLAMP®, with coding fingers, with two latches, orange

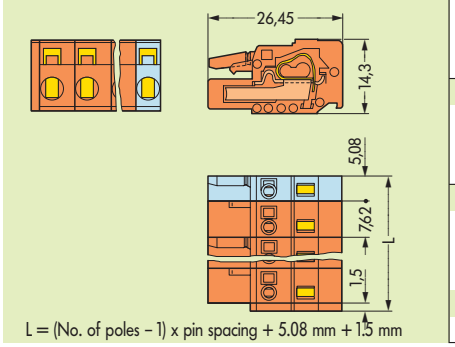
No. of poles	Item No.	Item No.
	Pin spacing 5.08 mm	
		with locking device
2**	**231-302/026-000**	**231-302/037-000**
3**	**231-303/026-000**	**231-303/037-000**
4	**231-304/026-000**	**231-304/037-000**
5	**231-305/026-000**	**231-305/037-000**
:	:	:
12	**231-312/026-000**	**231-312/037-000**
:	:	:
21	**231-321/026-000**	**231-321/037-000**
22	**231-322/026-000**	**231-322/037-000**
23	**231-323/026-000**	**231-323/037-000**
24	**231-324/026-000**	**231-324/037-000**
	Pin spacing 7.62 mm	
		with locking device
2**	**231-702/026-000**	**231-702/037-000**
3**	**231-703/026-000**	**231-703/037-000**
4	**231-704/026-000**	**231-704/037-000**
5	**231-705/026-000**	**231-705/037-000**
6	**231-706/026-000**	**231-706/037-000**
7	**231-707/026-000**	**231-707/037-000**
8	**231-708/026-000**	**231-708/037-000**
9	**231-709/026-000**	**231-709/037-000**
10	**231-710/026-000**	**231-710/037-000**
11	**231-711/026-000**	**231-711/037-000**
12	**231-712/026-000**	**231-712/037-000**

**one latch only

Dimensions (in mm)



L = (No. of poles x pin spacing) + 1.5 mm



L = (No. of poles – 1) x pin spacing + 5.08 mm + 1.5 mm

Accessories, Series 231

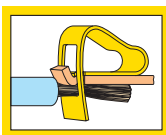
	Item No.
Marker strips, 100 self-adhesive strips	
Spacing 5 mm	
1–12 (300 x)	**210-331/0500-0103**
13–24 (300 x)	**210-331/0500-0104**
Spacing 5.08 mm	
1–12 (200 x)	**210-331/0508-0103**
13–24 (200 x)	**210-331/0508-0104**
Spacing 7.5 mm	
1–16 (100 x)	**210-331/0750-0202**
Spacing 7.62 mm	
1–16 (100 x)	**210-331/0762-0202**
Insulation stop, 5 pcs/strip	
Spacing 5 mm and 5.08 mm	
0.08 - 0.2 mm² ❶	
white	**231-670**
0.25 - 0.5 mm²	
light grey	**231-671**
0.75 - 1 mm²	
dark grey	**231-672**
Spacing 7.5 mm and 7.62 mm	
0.08 - 0.2 mm² ❶	
white	**231-673**
0.25 - 0.5 mm²	
light grey	**231-674**
0,75 - 1 mm²	
dark grey	**231-675**

❶ 0.2 mm²"s" (0.14 mm²"f-st")

Test plug, with cable 500 mm/1'7.7" long,	
2 mm Ø	**210-136** red
2.3 mm Ø	**210-137** yellow
Screwdriver, with partially insulated shaft	
(3.5 x 0.5) mm	**210-620**
Operating tool, for female and male connectors	
with CAGE CLAMP®	**210-250**
Operating lever, loose, for female and male	
connectors with CAGE CLAMP®	**231-131**

* You can find approvals on the Internet at www.wago.com.
Technical explanations and abbreviations see page 10.2.

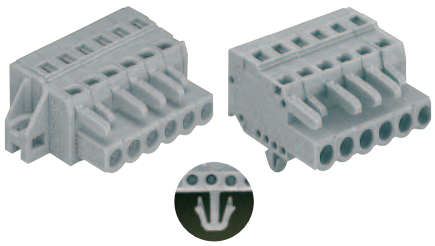
Female Connectors with CAGE CLAMP® and Snap-In Mounting Feet
Pin Spacings 5 mm/0.197 in; 5.08 mm/0.2 in; 7.5 mm/0.295 in; 7.62 mm/0.3 in

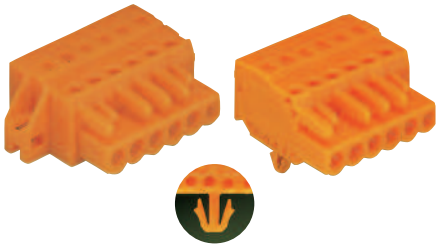


Pin spacing 5 mm/0.197 in, grey
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
16 A
Pin spacing 7.5 mm/0.295 in, grey
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA CNETGL BV

Pin spacing 5.08 mm/0.2 in, orange
0.08 – 2.5 mm² | AWG 28 – 12
250 V/4 kV/3 | 300 V, 15 A
16 A
Pin spacing 7.62 mm/0.3 in, orange
400 V/6 kV/3 | 300 V, 15 A
* VDE CCA CNETGL BV

Accessories

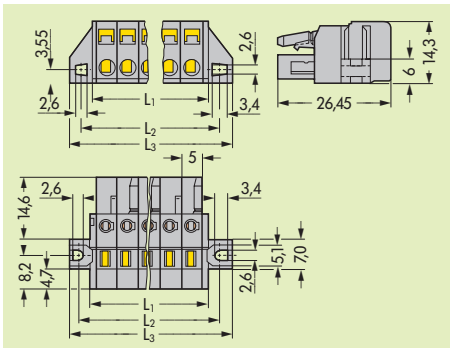


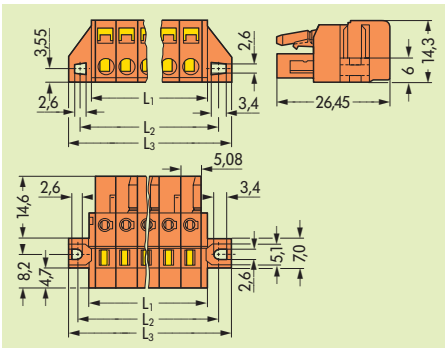


No. of poles	Item No.	Item No.
Female connectors with CAGE CLAMP®		
and fixing flanges, for panel mounting,		
with coding fingers, with two latches, for screw fixing or similar methods, grey		
and snap-in mounting feet, for plate thickness 0.6 mm –1.2 mm, fixing hole Ø 3.5 mm, (or with mounting adapter 209-137 for DIN 35 rail)		
Pin spacing 5 mm		
	with fixing flanges	with mounting feet
2**	**231-102/031-000**	**231-102/008-000**
3**	**231-103/031-000**	**231-103/008-000**
4	**231-104/031-000**	**231-104/008-000**
5	**231-105/031-000**	**231-105/008-000**
:	:	:
12	**231-112/031-000**	**231-112/008-000**
:	:	:
22	**231-122/031-000**	**231-122/008-000**
23	**231-123/031-000**	**231-123/008-000**
24	**231-124/031-000**	**231-124/008-000**
Pin spacing 7.5 mm		
	with fixing flanges	with mounting feet
2**		**231-202/008-000**
3**	**231-203/031-000**	**231-203/008-000**
4	**231-204/031-000**	**231-204/008-000**
5	**231-205/031-000**	**231-205/008-000**
6	**231-206/031-000**	**231-206/008-000**
7	**231-207/031-000**	**231-207/008-000**
8	**231-208/031-000**	**231-208/008-000**
:	:	:
16	**231-216/031-000**	**231-216/008-000**
** one latch only		

No. of poles	Item No.	Item No.
Female connectors with CAGE CLAMP®		
and fixing flanges, for panel mounting,		
with coding fingers, with two latches, for screw fixing or similar methods, orange		
and snap-in mounting feet, for plate thickness 0.6 mm –1.2 mm, fixing hole Ø 3.5 mm, (or with mounting adapter 209-137 for DIN 35 rail)		
Pin spacing 5.08 mm		
	with fixing flanges	with mounting feet
2**	**231-302/031-000**	**231-302/008-000**
3**	**231-303/031-000**	**231-303/008-000**
4	**231-304/031-000**	**231-304/008-000**
5	**231-305/031-000**	**231-305/008-000**
:	:	:
12	**231-312/031-000**	**231-312/008-000**
:	:	:
22	**231-322/031-000**	**231-322/008-000**
23	**231-323/031-000**	**231-323/008-000**
24	**231-324/031-000**	**231-324/008-000**
Pin spacing 7.62 mm		
	with fixing flanges	with mounting feet
2**	**231-702/031-000**	**231-702/008-000**
3**	**231-703/031-000**	**231-703/008-000**
4	**231-704/031-000**	**231-704/008-000**
5	**231-705/031-000**	**231-705/008-000**
6	**231-706/031-000**	**231-706/008-000**
7	**231-707/031-000**	**231-707/008-000**
8	**231-708/031-000**	**231-708/008-000**
:	:	:
12	**231-712/031-000**	**231-712/008-000**
** one latch only		

Dimensions L_1 = (No. of poles x pin spacing) + 3 mm L_2 = (No. of poles x pin spacing) + 8.8 mm
L_3 = (No. of poles x pin spacing) + 14.8 mm





Accessories, Series 231	Item No.
Marker 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 5.08 mm	
1–12 (200 x)	**210-331/0508-0103**
13–24 (200 x)	**210-331/0508-0104**
Spacing 7.5 mm	
1–16 (100 x)	**210-331/0750-0202**
Spacing 7.62 mm	
1–16 (100 x)	**210-331/0762-0202**
Insulation stop, 5 pcs/strip	
Spacing 5 mm and 5.08 mm	
0.08 - 0.2 mm² ❶ white	**231-670**
0.25 - 0.5 mm² light grey	**231-671**
0.75 - 1 mm² dark grey	**231-672**
Spacing 7.5 mm and 7.62 mm	
0.08 - 0.2 mm² ❶ white	**231-673**
0.25 - 0.5 mm² light grey	**231-674**
0.75 - 1 mm² dark grey	**231-675**
❶ 0.2 mm²"s" (0.14 mm²"f-st")	
Test plug, with cable 500 mm/1'7.7" long,	
2 mm Ø	**210-136** red
2.3 mm Ø	**210-137** yellow
Mounting adapter, for DIN 35 rail,	
grey	**209-137**
3 or more poles	
Tapping screw,	
B 2.2 x 9.5	**209-147**
fixing hole Ø 1.8 mm	

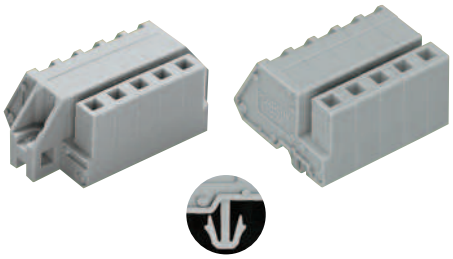
MULTI CONNECTION SYSTEM ***MIDI***
Angled Female Connectors with CAGE CLAMP®, Pin Spacings 5 mm/0.197 in and 7.5 mm/0.295 in, Multi Mounting Adapter, Test Plugs

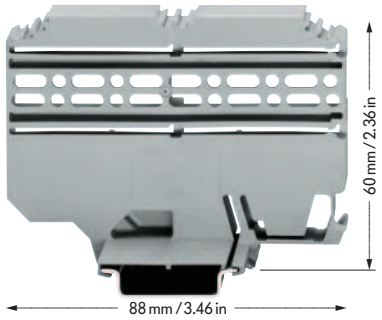
Pin spacing 5 mm/0.197 in, grey
0.08 – 2.5 mm² | **AWG 28 – 12**
250 V/4 kV/3 | **300 V, 15 A**
16 A
Pin spacing 7.5 mm/0.295 in, grey
400 V/6 kV/3 | **300 V, 15 A**
*

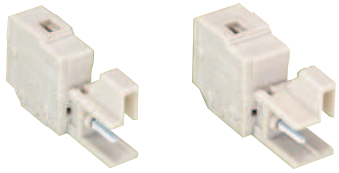
Multi mounting adapter
for male and female connectors
with snap-on mounting feet

Adapter width 10 mm/0.394 in

Test plugs for female connectors
Pin spacings 5 mm; 5.08 mm; 7.62 mm
0.08 – 2.5 mm² | **AWG 28 – 12**
250 V/4 kV/3
12 A
8 – 9 mm / 0.33 in

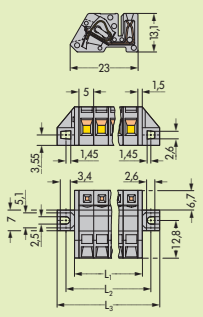




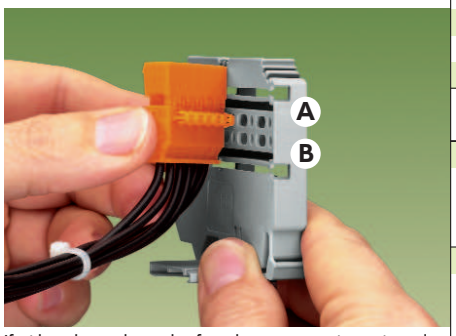


No. of poles	Item No.	Item No.
Angled female connectors with CAGE CLAMP®		
and fixing flanges, for panel mounting		
for screw fixing or similar methods, grey		
and snap-in mounting feet, for plate thickness		
0.6 mm –1.2 mm, fixing hole Ø 3.5 mm,		
	Pin spacing 5 mm	
	with fixing flanges	with mounting feet
2	**731-502/031-000**	**731-502/008-000**
3	**731-503/031-000**	**731-503/008-000**
4	**731-504/031-000**	**731-504/008-000**
5	**731-505/031-000**	**731-505/008-000**
:	:	:
12	**731-512/031-000**	**731-512/008-000**
:	:	:
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**
	Pin spacing 7.5 mm	
	with fixing flanges	with mounting feet
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**

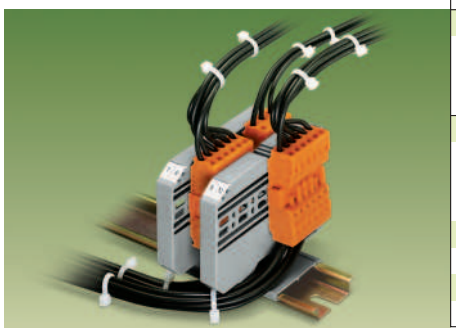
Dimensions (in mm) see also page 6.9



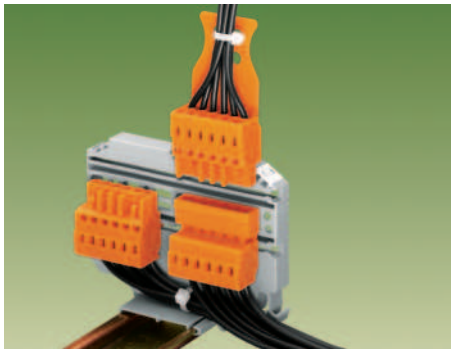
Item No.
Multi mounting adapter
209-148



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



The adapter allows the use of WSB, miniature WSB or WMB marker cards.
Marking accessories see chapter 9.



Item No.
Test plug for female connectors,
with CAGE CLAMP®
0.08 mm² – 2.5 mm²
Spacing 5 mm and 5.08 mm **231-661**
Spacing 7.5 mm and 7.62 mm **231-662**

Accesories

Test plug, with cable 500 mm/17.7" long,



2 mm Ø **210-136** red
2.3 mm Ø **210-137** yellow

Operating lever, for female and male connectors



with CAGE CLAMP®
231-131

Countersunk screw, M 2 x 12



not offered by WAGO

Screwdriver, with partially insulated shaft



(3.5 x 0.5) mm
210-620

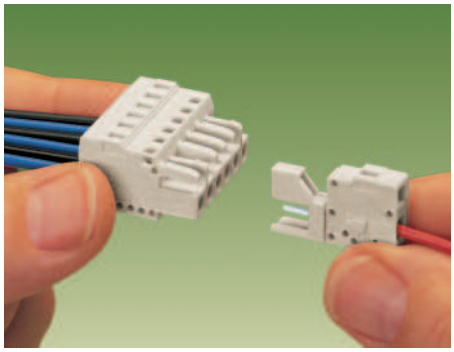
Marker strips, 100 self-adhesive strips



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**

Female connectors of the *MULTI CONNECTION SYSTEM MIDI* 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.



* You can find approvals on the Internet at www.wago.com.
Technical explanations and abbreviations see page 10.2.