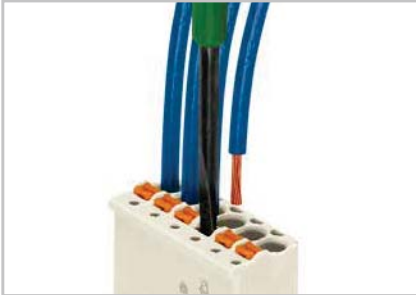
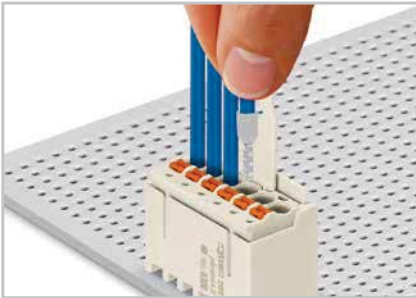


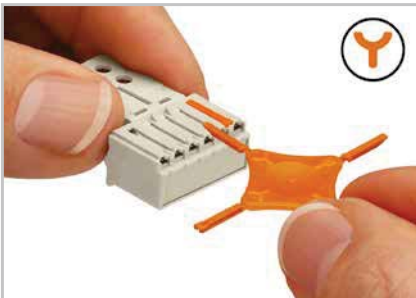
# picoMAX® Pluggable Connectors - Description and Installation -



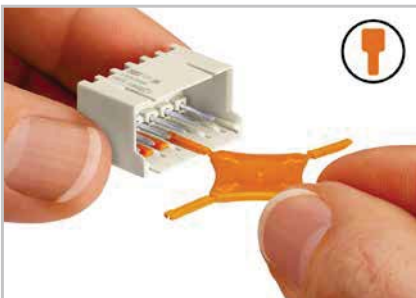
Inserting a fine-stranded conductor into an unmated female connector via push-button.



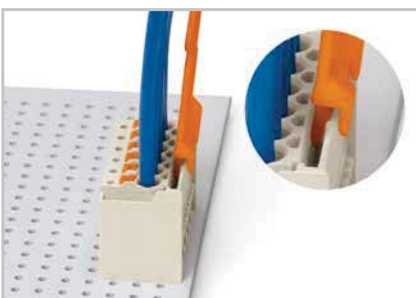
Inserting solid and ferruled conductors via push-in termination.



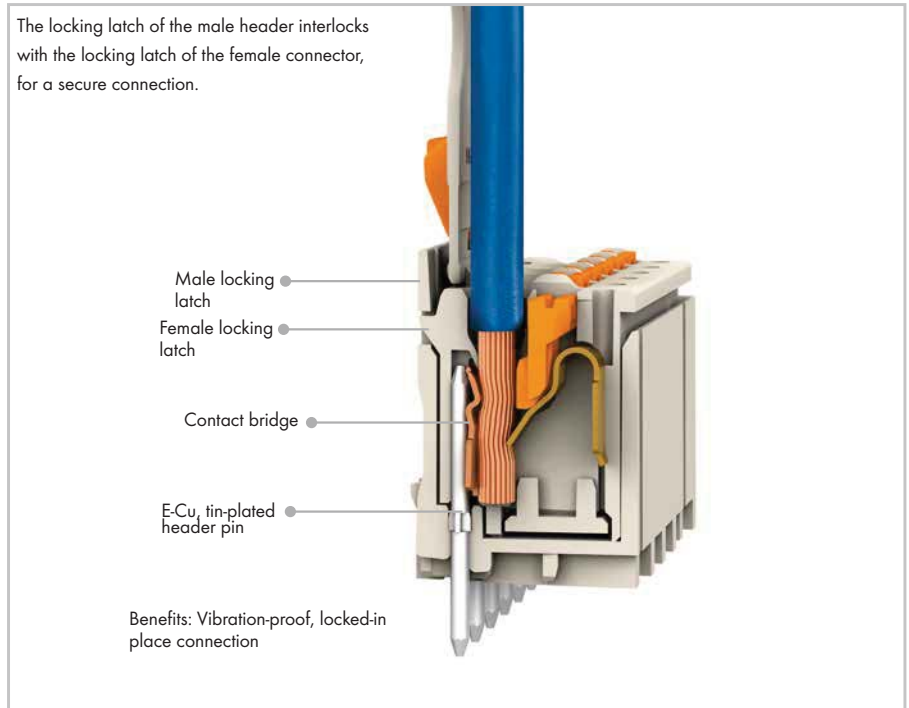
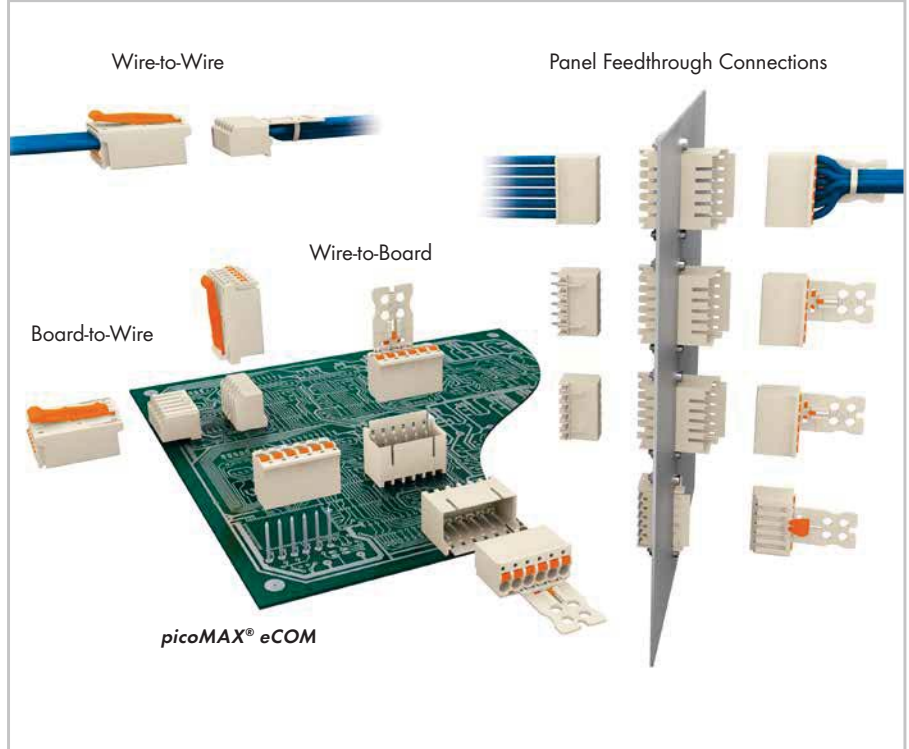
Coding a female connector (via 209x-1610 Coding Key Carrier and two keys for female connector, see symbol).



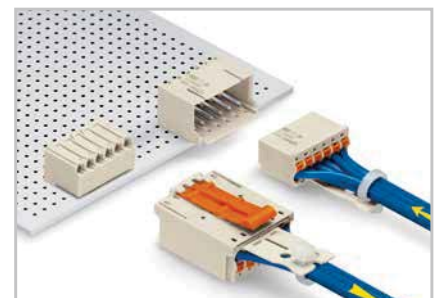
Coding a male header (via 209x-1610 Coding Key Carrier and two keys for male header, see symbol).



Disconnecting a female connector via unlocking tool. Plug unlocking tool into the male header's locking latch.



Push down sliding connector release (gripping plate) to open the locking latch.



Easy-to-identify PCB inputs and outputs

**picoMAX® Pluggable Connectors**

**PUSH-IN CAGE CLAMP®**

**Combination Overview for Male and Female Connectors/Headers**

Pin Spacing: 3.5 mm (0.138 in.); 5.0 mm (0.197 in.); 7.5 mm (0.295 in.)

Male Connectors/Headers							
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
with straight solder pins, 2 ... 12 poles		with angled solder pins, 2 ... 12 poles		for conductor connection, 2 ... 5 poles		for panel feedthrough connections, 2 ... 8 poles	
						Outside	Inside (unlocked)
2091-1402	200	2091-1422	200	0.2 ... 2.5 mm² / 24 ... 12 AWG		2091-1632/024-000	100
2091-1412	100	2091-1432	100	2091-1522/002-000	200	2091-1638/002-000	50
				2091-1528/002-000	50		

Female Connectors/Headers	Description	Male Connector/Header		Panel Feedthrough Connector	
		Outside	Inside	Outside	Inside
for conductor connection, gripping plate and sliding connector release, 2 ... 12 poles		✓	✓	✓	✓
	0.2 ... 1.5 mm² / 24 ... 14 AWG				
2091-1102/002-000	100				
2091-1112/002-000	50				
for conductor connection, with gripping plate, 2 ... 12 poles		✓	✓	✓	✓
	0.2 ... 1.5 mm² / 24 ... 14 AWG				
2091-1102	200				
2091-1112	100				
for conductor connection, 2 ... 12 poles		✓	✓	✓	✓
	0.2 ... 1.5 mm² / 24 ... 14 AWG				
2091-1122	200				
2091-1132	100				
with straight solder pins, 2 ... 8 poles		✗	✗	✓	✗
	2091-1302	200			
2091-1308	100				
with angled solder pins, 2 ... 8 poles		✗	✗	✓	✓
	2091-1322	200			
2091-1328	100				

3

All data refers to 3.5 mm pin spacing.

Item numbers for:

3.5 mm pin spacing

2091-1xxx (160 V/10 A)

5 mm pin spacing

2092-1xxx (320 V/16 A)

7.5 mm pin spacing

2092-3xxx (630 V/16 A)



Disconnection: Open locking latches via unlocking tool (2092-1630).



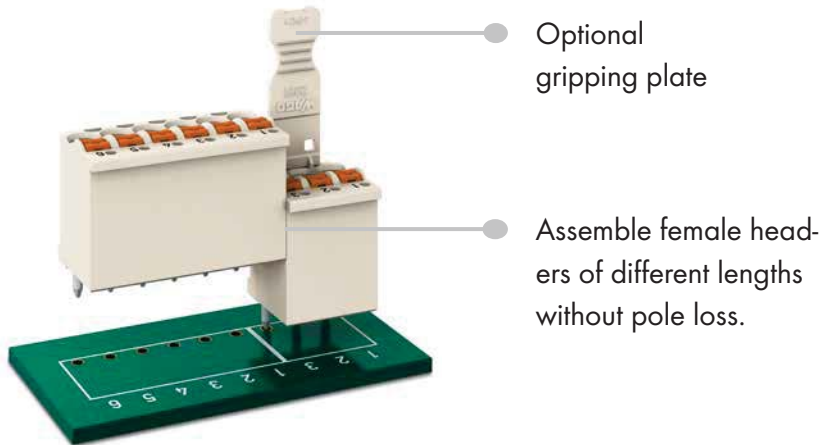
This combination of male and female connectors/headers is allowed.



This combination of male and female connectors/headers is not allowed.

## picoMAX® eCOM Pluggable Connectors PCB Terminal Blocks that Double as Pluggable Connectors

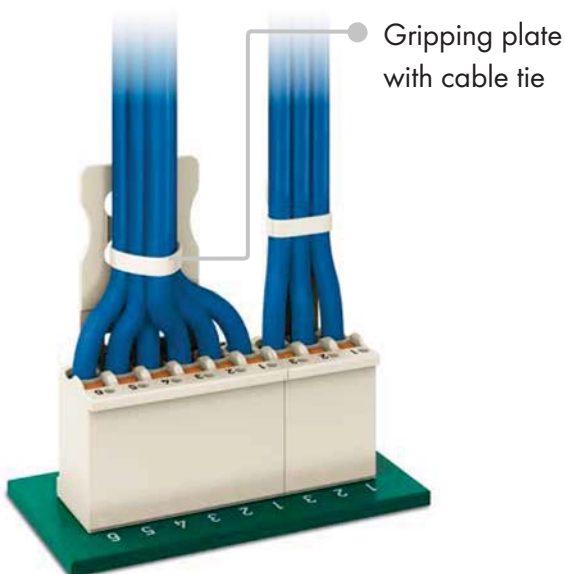
### 1. Place and solder the pluggable female headers as marked on the PCB.



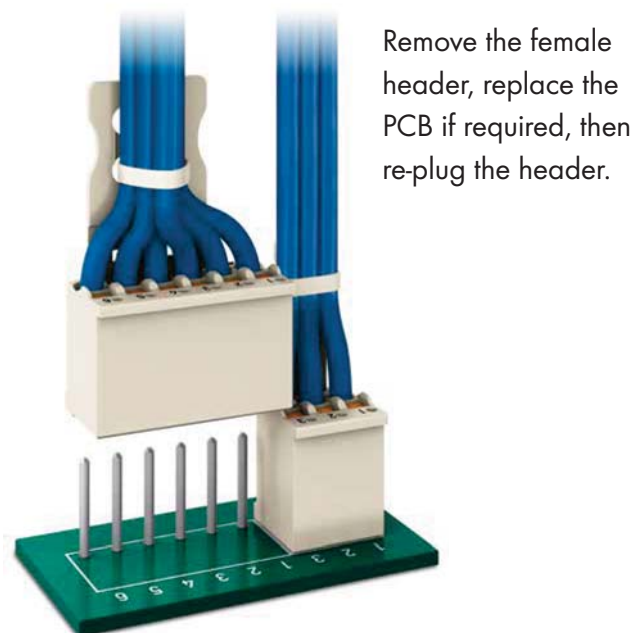
WAGO's *picoMAX*® eCOM Pluggable Female Headers are delivered with solder pins so they can be directly soldered to a PCB and then wired just as terminal blocks are.

Push-in CAGE CLAMP® allows solid, stranded and fine-stranded conductors to be terminated via push-buttons. Solid and ferruled conductors are terminated by simply pushing them into unit. For simplified maintenance, the pluggable female headers can be removed without altering the wiring and then plugged onto the replacement PCB.

### 2. Wired female headers



### 3. During maintenance
























# picoMAX® eCOM Pluggable Connectors

## System Overview for Standard Female Headers

**PUSH-IN CAGE CLAMP®**

Pin Spacing: 3.5 mm (0.138 in.); 5.0 mm (0.197 in.); 7.5 mm (0.295 in.)

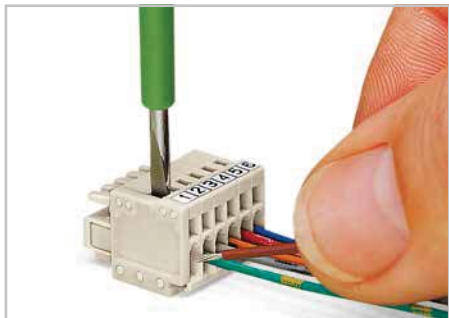
Female Connectors/Headers	Pin Spacing / Pole No.						Accessories	
	3.5 mm / 2 ... 12 poles		5 mm / 2 ... 12 poles		7.5 mm / 2 ... 5 poles		Item No.	Pack. Unit
	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit		
With straight solder pins, without gripping plate								
	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG			
	2091-1172	200	2092-1172	200	2092-3172	100		
	2091-1182	100	2092-1182	100	2092-3175	100	<b>210-719</b>	1
With straight solder pins, with gripping plate								
	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG			
	2091-1152	100	2092-1152	100	2092-3152	100		
	2091-1162	50	2092-1162	50	2092-3155	100	<b>2092-1630</b>	100
With angled solder pins, without gripping plate								
	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG			
	2091-1372	200	2092-1372	200	2092-3372	100		
	2091-1382	100	2092-1382	100	2092-3375	100	<b>735-500</b>	1
With angled solder pins, with gripping plate								
	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG		0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG			
	2091-1352	100	2092-1352	100	2092-3352	100		
	2091-1362	50	2092-1362	50	2092-3355	100		
Gripping plates for field assembly								
	2091-1600	100	2092-1600	100	2092-3600	100		
	2091-1603	100	2092-1603	100	2092-3603	100		
Gripping plates with sliding connector release for field assembly								
	2091-1600/002-000	100	2092-1600/002-000	100	2092-3600/002-000	100		
	2091-1603/002-000	100	2092-1603/002-000	100	2092-3603/002-000	100		

3

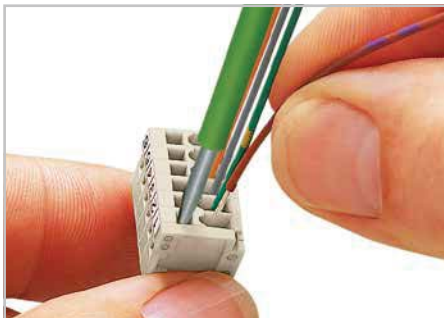
# MCS - MULTI CONNECTION SYSTEM MICRO, MINI and MIDI

## - Description and Installation, e.g., for CAGE CLAMP® Connection\* -

### CAGE CLAMP® connection

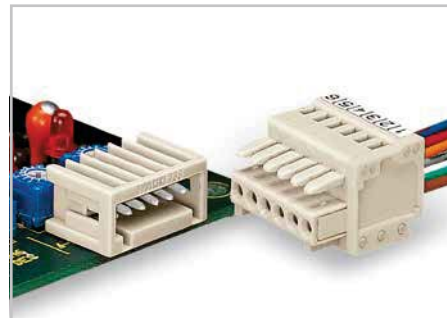


Inserting conductor via (2.5 x 0.4) mm screwdriver - CAGE CLAMP® actuation perpendicular to conductor entry.



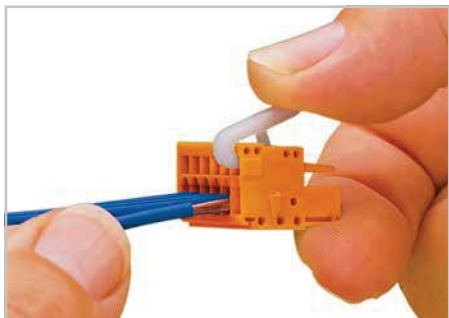
Inserting conductor via (2.5 x 0.4) mm screwdriver - CAGE CLAMP® actuation parallel to conductor entry.

### Mismatching protection

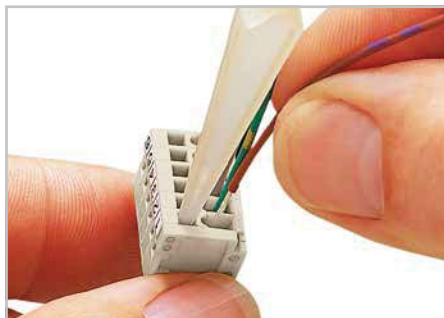


Male header and female connector - 100 % protected against mismatching  
Only mating halves with the same pole number can be connected.

### CAGE CLAMP® connection



Inserting conductor via operating lever (734-230).



Inserting conductor via operating tool (233-332) - CAGE CLAMP® actuation parallel to conductor entry.

### Testing



Testing with 1 mm Ø test pin (735-500) - touch contact.

### Coding

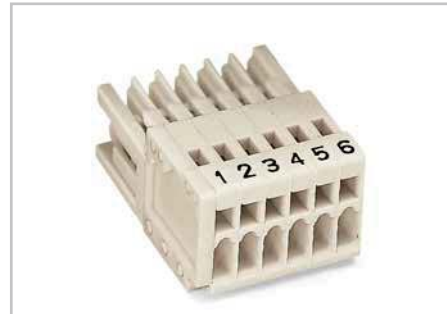


Coding a male header - fitting coding key(s).



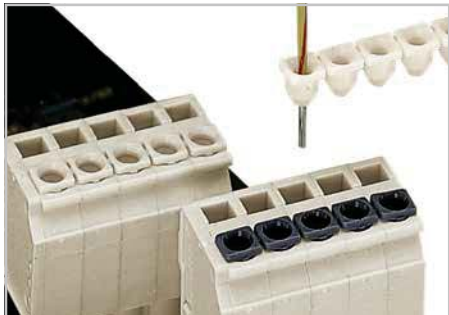
Coding a female connector - removing coding finger(s).

### Marking



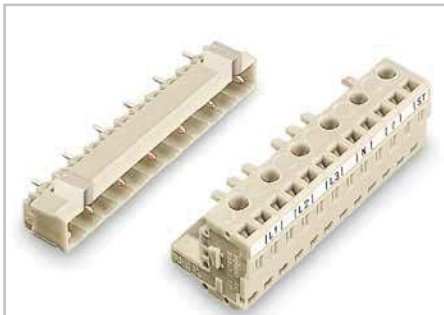
Factory marking or custom marking via self-adhesive strips.

### Insulation stop



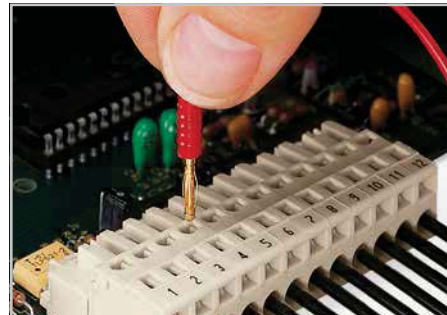
Prevents the insulation of smaller conductors from being inserted into the clamping unit.

### Pin spacing: 10 mm



For 10 mm pin spacing, please contact factory.

### Testing



Testing with 2 mm or 2.3 mm Ø test plug.

\* For other connection types, see full line catalog or visit [www.wago.com](http://www.wago.com).

# MCS - MULTI CONNECTION SYSTEM

## - Product Overview by Pin Spacing -

733 Series									
2.5 mm MICRO, 100 % Mismatching Protection, 160 V, 6 A									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 12 poles		Male headers with straight solder pins, 2 ... 12 poles		Male headers with press-in pins, 2 ... 12 poles		Female connectors, 2 ... 12 poles		Male connectors, 2 ... 12 poles	
733-332	200	733-332/105-604	200	733-332/100-000	200	733-102	200	733-202	200
733-342	100	733-342/105-604	100	733-342/100-000	100	733-112	50	733-212	50
Male headers with angled solder pins, 2 ... 12 poles		Male headers with angled solder pins, 2 ... 12 poles				Female connectors with locking levers, 2 ... 12 poles			
733-362	200	733-362/105-604	200			733-102/037-000	100		
733-372	100	733-372/105-604	100			733-112/037-000	50		

713 Series									
3.5 mm MINI HD, 100 % Mismatching Protection, 160 V, 10 A									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 6 ... 36 poles		Male headers with angled solder pins, 6 ... 36 poles		Male headers with straight solder pins, 6 ... 36 poles		Male headers with angled solder pins, 6 ... 36 poles		Female connectors, 6 ... 36 poles	
713-1403	100	713-1423	100	713-1403/105-000	100	713-1423/105-000	100	713-1103	100
713-1418	20	713-1438	20	713-1418/105-000	20	713-1438/105-000	20	713-1118	20
Male headers with straight solder pins and levers, 6 ... 36 poles		Male headers with angled solder pins and levers, 6 ... 36 poles		Male headers with straight solder pins and levers, 6 ... 36 poles		Male headers with angled solder pins and levers, 6 ... 36 poles		Female connectors with levers, 6 ... 36 poles	
713-1403/037-000	50	713-1423/037-000	50	713-1403/116-000	50	713-1423/116-000	50	713-1103/037-000	50
713-1418/037-000	10	713-1438/037-000	10	713-1418/116-000	10	713-1438/116-000	10	713-1118/037-000	51
Male headers with straight solder pins and threaded flanges, 6 ... 36 poles		Male headers with angled solder pins and threaded flanges, 6 ... 36 poles		Male headers with straight solder pins and threaded flanges, 6 ... 36 poles		Male headers with angled solder pins and threaded flanges, 6 ... 36 poles		Female connectors with threaded flanges, 6 ... 36 poles	
713-1403/107-000	50	713-1423/107-000	50	713-1403/117-000	50	713-1423/117-000	50	713-1103/107-000	50
713-1418/107-000	10	713-1438/107-000	10	713-1418/117-000	10	713-1438/117-000	10	713-1118/107-000	10

714 Series									
3.5 mm MINI SL, 160 V, 8 A									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit				
Male headers with straight solder pins, 2 ... 16 poles		Male headers with angled solder pins, 2 ... 16 poles		Female connectors, 2 ... 16 poles					
714-132	200	714-162	200	714-102	200				
714-146	100	714-176	100	714-116	50				























# MCS – MULTI CONNECTION SYSTEM

## – Product Overview by Pin Spacing –

734 / 2734 Series									
3.5 mm MINI, 100 % Mismatching Protection									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 24 poles		Female headers with straight solder pins, 2 ... 24 poles		Female connectors, 2 ... 24 poles		Male connectors, 2 ... 24 poles		Combi strips, 2 ... 12 poles	
○		○		○		○		○	
0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG	
734-132	200	734-462	200	734-102	200	734-302	200	734-362	100
734-154	50	734-484	25	734-124	25	734-324	25	734-372	25
Male headers with angled solder pins, 2 ... 24 poles		Female headers with angled solder pins, 2 ... 24 poles		Female connectors with locking levers, 2 ... 24 poles		Male connectors with mounting flanges, 2 ... 24 poles		Combi strips with locking levers, 2 ... 12 poles	
○		○		○		○		○	
0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG	
734-162	200	734-532	200	734-102/037-000	100	734-302/019-000	100	734-362/037-000	100
734-184	50	734-554	25	734-124/037-000	10	734-324/019-000	10	734-372/037-000	25
Male headers with straight solder pins, 2 ... 16 poles		Female headers with straight solder pins and locking levers, 2 ... 24 poles		Female connectors with snap-in mounting feet, 2 ... 24 poles		Male connectors with snap-in mounting feet, 2 ... 24 poles		Combi strips with snap-in mounting feet, 2 ... 12 poles	
THR		○		○		○		○	
0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG	
734-132/105-604	200	734-462/037-000	100	734-102/008-000	200	734-302/018-000	200	734-362/008-000	100
734-146/105-604	50	734-484/037-000	10	734-124/008-000	25	734-324/018-000	25	734-372/008-000	25
Male headers with angled solder pins, 2 ... 16 poles		Female headers with angled solder pins and locking levers, 2 ... 24 poles							
THR		○							
734-162/105-604	200	734-532/037-000	100						
734-176/105-604	50	734-554/037-000	10						
Male headers with straight press-in pins, 2 ... 12 poles								Female connectors with push-buttons, 2 ... 24 poles	
○								○	
0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG								0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG	
734-132/100-000	200							2734-102	200
734-142/100-000	100							2734-124	25
Double-deck male headers with angled solder pins, 4 ... 24 poles								Female connectors with push-buttons and locking levers, 2 ... 24 poles	
○								○	
0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG								0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG	
734-402	100							2734-102/037-000	100
734-412	50							2734-124/037-000	10
Double-deck male headers with angled solder pins and support, 4 ... 24 poles								Female connectors with push-buttons and mounting flanges, 2 ... 24 poles	
○								○	
0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG								0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG	
734-402/001-000	100							2734-102/031-000	100
734-412/001-000	50							2734-124/031-000	10
Male headers with straight solder pins and threaded flanges, 2 ... 24 poles		Male headers with angled solder pins and threaded flanges, 2 ... 24 poles		Female connectors with screw flanges, 2 ... 24 poles		Male connectors with threaded flanges, 2 ... 24 poles		Female connectors with push-buttons and screw flanges, 2 ... 24 poles	
○		○		○		○		○	
0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG		0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG	
734-132/108-000	200	734-162/108-000	200	734-102/107-000	100	734-302/109-000	100	2734-102/107-000	100
734-154/108-000	50	734-184/108-000	50	734-124/107-000	10	734-324/109-000	10	2734-124/107-000	10

# MCS - MULTI CONNECTION SYSTEM

## - Product Overview by Pin Spacing -

734 / 2734 Series									
MINI, 100 % Mismatching Protection									
Item No.	Pack. Unit	Item No.	3.81 mm Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 20 poles		Female headers with straight solder pins, 2 ... 20 poles		Female connectors, 2 ... 20 poles		Male connectors, 2 ... 20 poles		Female connectors with push-buttons, 2 ... 20 poles	
734-232	200	734-502	200	734-202	200	734-332	200	2734-202	200
734-250	50	734-520	25	734-220	25	734-350	25	2734-220	25
Male headers with angled solder pins, 2 ... 20 poles		Female headers with angled solder pins, 2 ... 20 poles		Female connectors with locking levers, 2 ... 20 poles		Male connectors with mounting flanges, 2 ... 20 poles		Female connectors with push-buttons and locking levers, 2 ... 20 poles	
734-262	200	734-562	200	734-202/037-000	100	734-332/019-000	100	2734-202/037-000	100
734-280	50	734-580	25	734-220/037-000	10	734-350/019-000	10	2734-220/037-000	10
Male headers with straight solder pins, 2 ... 16 poles		Female headers with straight solder pins and locking levers, 2 ... 20 poles		Female connectors with snap-in mounting feet, 2 ... 20 poles		Male connectors with snap-in mounting feet, 2 ... 20 poles		Female connectors with push-buttons and mounting flanges, 2 ... 20 poles	
734-232/105-604	200	734-502/037-000	100	734-202/008-000	200	734-332/018-000	200	2734-202/031-000	100
734-242/105-604	100	734-520/037-000	10	734-220/008-000	25	734-350/018-000	25	2734-220/031-000	10
Male headers with angled solder pins, 2 ... 16 poles		Female headers with angled solder pins and locking levers, 2 ... 20 poles							
734-262/105-604	200	734-562/037-000	100						
734-272/105-604	100	734-580/037-000	10						
Male headers with straight press-in pins, 2 ... 12 poles									
734-232/100-000	200								
734-242/100-000	100								
Double-deck male headers with angled solder pins, 4 ... 24 poles									
734-432	100								
734-442	50								
Double-deck male headers with angled solder pins and support, 4 ... 24 poles									
734-432/001-000	100								
734-442/001-000	50								



# MCS – MULTI CONNECTION SYSTEM

## – Product Overview by Pin Spacing –

721 / 722 / 2721 Series									
5 mm MIDI, 100 % Mismatching Protection, 320 V, 12 A (16 A)									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 20 poles		Female headers with straight solder pins, 2 ... 20 poles		Female connectors, 2 ... 20 poles		Male connectors, 2 ... 20 poles		Female connectors with push-buttons, 2 ... 20 poles	
○		○		○		○		○	
721-132/001-000	200	722-132	100	721-102/026-000	100	721-602	100	2721-102/026-000	100
721-150/001-000	50	722-150	10	721-120/026-000	10	721-620	10	2721-120/026-000	10
Male headers with angled solder pins, 2 ... 20 poles		Female headers with angled solder pins, 2 ... 20 poles		Female connectors with locking levers, 2 ... 20 poles		Male connectors with mounting flanges, 2 ... 20 poles		Female connectors with push-buttons and locking levers, 2 ... 20 poles	
○		○		○		○		○	
721-432/001-000	200	722-232	100	721-102/037-000	100	721-602/019-000	100	2721-102/037-000	100
721-450/001-000	50	722-250	10	721-120/037-000	10	721-620/019-000	10	2721-120/037-000	10
Male headers with straight press-in pins, 8 A, 2 ... 12 poles		Female headers with straight solder pins and locking levers, 2 ... 20 poles		Female connectors with snap-in mounting feet, 2 ... 20 poles		Male connectors with snap-in mounting feet, 2 ... 20 poles		Female connectors with push-buttons and snap-in mounting feet, 2 ... 20 poles	
○		○		○		○		○	
721-162/100-000	200	722-132/039-000	100	721-102/008-000	100	721-602/018-000	100	2721-102/008-000	100
721-172/100-000	100	722-150/039-000	10	721-120/008-000	10	721-620/018-000	10	2721-120/008-000	10
Male headers with straight solder pins, 16 A, 2 ... 20 poles		Female headers with angled solder pins and locking levers, 2 ... 20 poles		Female connectors with mounting flanges, 2 ... 20 poles		Male connectors with snap-in flanges, 2 ... 20 poles		Female connectors with push-buttons and mounting flanges, 2 ... 20 poles	
○		○		○		○		○	
721-162/001-000	200	722-232/039-000	100	721-102/031-000	100	721-602/114-000	100	2721-102/031-000	100
721-180/001-000	50	722-250/039-000	10	721-120/031-000	10	721-620/114-000	10	2721-120/031-000	10
Male headers with angled solder pins, 16 A, 2 ... 20 poles		Female headers with straight solder pins and mounting flanges, 2 ... 20 poles		Angled female connectors, conductor entry same direction as latches, 2 ... 20 poles					
○		○		○					
721-462/001-000	200	722-132/031-000	100	722-202/026-000	100				
721-480/001-000	50	722-150/031-000	10	722-220/026-000	10				
Male connectors for rail-mounted terminal blocks, 2 ... 20 poles		Female headers with angled solder pins and mounting flanges, 2 ... 20 poles		Angled female connectors, conductor entry opposite of latches, 2 ... 20 poles					
○		○		○					
721-162/003-000	200	722-232/031-000	100	722-102/026-000	100				
721-180/003-000	50	722-250/031-000	10	722-120/026-000	10				
Female connectors for rail-mounted terminal blocks, 2 ... 20 poles		Female headers with straight solder pins and spacers, 2 ... 20 poles		2-conductor female connectors, 2 ... 16 poles				Female connectors with flanges for panel mounting, 2 ... 20 poles	
○		○		○				○	
722-132/005-000	100	722-132/047-000	100	721-2102/026-000	100			721-302/031-000	100
722-150/005-000	10	722-150/047-000	10	721-2116/026-000	25			721-320/031-000	10
Female connectors with locking levers for rail-mounted terminal blocks, 2 ... 20 poles		Female headers with angled solder pins and spacers, 2 ... 20 poles		2-conductor female connectors with locking levers, 2 ... 16 poles				Female connectors with snap-in feet for panel mounting, 2 ... 20 poles	
○		○		○				○	
722-132/005-000/039-000	100	722-232/047-000	100	721-2102/037-000	100			721-302/008-000	100
722-150/005-000/039-000	10	722-250/047-000	10	721-2116/037-000	10			721-320/008-000	10

# MCS - MULTI CONNECTION SYSTEM

## - Product Overview by Pin Spacing -

231 / 232 / 731 / 2231 Series 5 mm, MIDI Classic, 320 V, 12 A									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 24 poles		Female headers with straight solder pins, 2 ... 24 poles		Female connectors, 2 ... 24 poles		Male connectors, 2 ... 24 poles		Female connectors with push-buttons, 2 ... 24 poles	
231-132/001-000	200	232-132	100	231-102/026-000	100	231-602	100	2231-102/026-000	100
231-154/001-000	50	232-154	10	231-124/026-000	10	231-624	10	2231-124/026-000	10
Male headers with angled solder pins, 2 ... 24 poles		Female headers with angled solder pins, 2 ... 24 poles		Female connectors with locking levers, 2 ... 24 poles		Male connectors with mounting flanges, 2 ... 24 poles		Female connectors with push-buttons and locking levers, 2 ... 24 poles	
231-432/001-000	200	232-232	100	231-102/037-000	100	231-602/019-000	100	2231-102/037-000	100
231-454/001-000	50	232-254	10	231-124/037-000	10	231-624/019-000	10	2231-124/037-000	10
Male headers with straight solder pins and mounting flanges, 2 ... 14 poles		Female headers with straight solder pins and locking levers, 2 ... 24 poles		Female connectors with snap-in mounting feet, 2 ... 24 poles		Male connectors with snap-in mounting feet, 2 ... 24 poles		Female connectors with push-buttons and snap-in mounting feet, 2 ... 24 poles	
231-132/040-000	200	232-132/039-000	100	231-102/008-000	100	231-602/018-000	100	2231-102/008-000	100
231-144/040-000	50	232-154/039-000	10	231-124/008-000	10	231-624/018-000	10	2231-124/008-000	10
Male headers with angled solder pins and mounting flanges, 2 ... 14 poles		Female headers with angled solder pins and locking levers, 2 ... 24 poles		Female connectors with mounting flanges, 2 ... 24 poles		Male connectors with snap-in flanges, 2 ... 24 poles		Female connectors with push-buttons and mounting flanges, 2 ... 24 poles	
231-432/040-000	200	232-232/039-000	100	231-102/031-000	100	231-602/114-000	50	2231-102/031-000	100
231-444/040-000	50	232-254/039-000	10	231-124/031-000	10	231-624/114-000	10	2231-124/031-000	10
Male headers with straight solder pins, 2 ... 12 poles		Female headers with straight solder pins and mounting flanges, 2 ... 24 poles		Angled female connectors, conductor entry same direction as latches, 2 ... 24 poles				Female connectors with push-buttons and integrated end plate, 2 ... 24 poles	
THR				0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG				0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG	
231-132/001-000/105-604	200	232-132/031-000	100	232-202/026-000	100			2231-102/102-000	100
231-142/001-000/105-604	100	232-154/031-000	10	232-224/026-000	10			2231-124/102-000	10
Male headers with angled solder pins, 2 ... 12 poles		Female headers with angled solder pins and mounting flanges, 2 ... 24 poles		Angled female connectors, conductor entry opposite of latches, 2 ... 24 poles				Double-pin male connectors for DIN-35 rail mounting, 2 ... 24 poles	
THR				0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG					
231-432/001-000/105-604	200	232-232/031-000	100	232-102/026-000	100			232-502/007-000	100
231-442/001-000/105-604	100	232-254/031-000	10	232-124/026-000	10			232-524/007-000	10
Double-deck male headers, 2 ... 16 poles				2-conductor female connectors, 2 ... 16 poles				Female connectors with mounting flanges for panel mounting, 2 ... 20 poles	
232-332	100			0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG				0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG	
232-346	25			231-2102/026-000	100			731-502/031-000	100
				231-2116/026-000	25			731-520/031-000	10
Male connectors for rail-mounted terminal blocks, 2 ... 20 poles		Female connectors for rail-mounted terminal blocks, 2 ... 20 poles		2-conductor female connectors with locking levers, 2 ... 16 poles				Female connectors with snap-in feet for panel mounting, 2 ... 20 poles	
231-162/003-000	200	232-132/005-000	100	231-2102/037-000	100			0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG	
231-180/003-000	50	232-150/005-000	10	231-2116/037-000	10			731-502/008-000	100
								731-520/008-000	10

# MCS – MULTI CONNECTION SYSTEM

## – Product Overview by Pin Spacing –

231 / 232 / 731 / 2231 Series									
5.08 mm MIDI Classic, 320 V, 12 A (16 A)									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 24 poles		Female headers with straight solder pins, 2 ... 24 poles		Female connectors, 2 ... 24 poles		Male connectors, 2 ... 24 poles		Female connectors with push-buttons, 2 ... 24 poles	
●		●		●		●		●	
231-332/001-000	200	232-162	100	231-302/026-000	100	231-632	100	2231-302/026-000	100
231-354/001-000	50	232-184	10	231-324/026-000	10	231-654	10	2231-324/026-000	10
Male headers with angled solder pins, 2 ... 24 poles		Female headers with angled solder pins, 2 ... 24 poles		Female connectors with locking levers, 2 ... 24 poles		Male connectors with mounting flanges, 2 ... 24 poles		Female connectors with push-buttons and locking levers, 2 ... 24 poles	
●		●		●		●		●	
231-532/001-000	200	232-262	100	231-302/037-000	100	231-632/019-000	100	2231-302/037-000	100
231-554/001-000	50	232-284	10	231-324/037-000	10	231-654/019-000	10	2231-324/037-000	10
Male headers with straight solder pins, 16 A, 2 ... 24 poles		Female headers with straight solder pins and locking levers, 2 ... 24 poles		Female connectors with snap-in mounting feet, 2 ... 24 poles		Male connectors with snap-in mounting feet, 2 ... 24 poles		Female connectors with push-buttons and snap-in mounting feet, 2 ... 24 poles	
●		●		●		●		●	
231-362/001-000	200	232-162/039-000	100	231-302/008-000	100	231-632/018-000	100	2231-302/008-000	100
231-384/001-000	50	232-184/039-000	10	231-324/008-000	10	231-654/018-000	10	2231-324/008-000	10
Male headers with angled solder pins, 16 A, 2 ... 24 poles		Female headers with angled solder pins and locking levers, 2 ... 24 poles		Female connectors with mounting flanges, 2 ... 24 poles		Male connectors with snap-in flanges, 2 ... 24 poles		Female connectors with push-buttons and mounting flanges, 2 ... 24 poles	
●		●		●		●		●	
231-562/001-000	200	232-262/039-000	100	231-302/031-000	100	231-632/114-000	50	2231-302/031-000	100
231-584/001-000	50	232-284/039-000	10	231-324/031-000	10	231-654/114-000	10	2231-324/031-000	10
Double-deck male headers, 2 ... 16 poles		Female headers with straight solder pins and mounting flanges, 2 ... 24 poles		2-conductor female connectors, 2 ... 16 poles				Angled female connectors, conductor entry same direction as latches, 2 ... 24 poles	
●		●		●				●	
232-362	100	232-162/031-000	100	231-2302/026-000	100			232-402/026-000	100
232-376	25	232-184/031-000	10	231-2316/026-000	25			232-424/026-000	10
		Female headers with angled solder pins and mounting flanges, 2 ... 24 poles		2-conductor female connectors with locking levers, 2 ... 16 poles				Angled female connectors, conductor entry opposite of latches, 2 ... 24 poles	
		●		●				●	
		232-262/031-000	100	231-2302/037-000	100			232-302/026-000	100
		232-284/031-000	10	231-2316/037-000	10			232-324/026-000	10
Male headers with straight solder pins and threaded flanges, 2 ... 16 poles				2-conductor female connectors with screw flanges, 2 ... 16 poles		Male connectors with snap-in and threaded flanges, 2 ... 16 poles		Double-pin male connectors for DIN-35 rail mounting, 2 ... 24 poles	
●				●		●		●	
231-332/108-000	200			231-2302/107-000	100	231-632/129-000	50	232-532/007-000	100
231-346/108-000	50			231-2316/107-000	10	231-646/129-000	10	232-554/007-000	10
Male headers with angled solder pins and threaded flanges, 2 ... 16 poles				Female connectors with screw flanges, 2 ... 16 poles		Male connectors with threaded flanges, 2 ... 16 poles		Female connectors with push-buttons and screw flanges, 2 ... 24 poles	
●				●		●		●	
231-532/108-000	200			231-302/107-000	100	231-632/109-000	100	2231-302/107-000	100
231-546/108-000	50			231-316/107-000	10	231-646/109-000	10	2231-316/107-000	10

# MCS - MULTI CONNECTION SYSTEM

## - Product Overview by Pin Spacing -

721 / 722 / 723 / 2721 Series									
7.5 mm MIDI, 100 % Mismatching Protection, 630 V, 12 A (16 A)									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 12 poles		Female headers with straight solder pins, 2 ... 12 poles		Female connectors, 2 ... 12 poles		Male connectors, 2 ... 12 poles		Female connectors with push-buttons, 2 ... 12 poles	
721-232/001-000	200	722-732	100	721-202/026-000	100	723-602	100	2721-202/026-000	100
721-242/001-000	50	722-742	10	721-212/026-000	25	723-612	25	2721-212/026-000	25
Male headers with angled solder pins, 2 ... 12 poles		Female headers with angled solder pins, 2 ... 12 poles		Female connectors with locking levers, 2 ... 12 poles		Male connectors with mounting flanges, 2 ... 12 poles		Female connectors with push-buttons and locking levers, 2 ... 20 poles	
721-832/001-000	200	722-832	100	721-202/037-000	50	723-602/019-000	100	2721-202/037-000	50
721-842/001-000	50	722-842	10	721-212/037-000	10	723-612/019-000	25	2721-212/037-000	10
Male headers with straight solder pins, 16 A, 2 ... 12 poles		Female headers with straight solder pins and locking levers, 2 ... 12 poles		Female connectors with snap-in mounting feet, 2 ... 12 poles		Male connectors with snap-in mounting feet, 2 ... 12 poles		Female connectors with push-buttons and snap-in mounting feet, 2 ... 12 poles	
721-262/001-000	200	722-732/039-000	100	721-202/008-000	50	723-602/018-000	100	2721-202/008-000	100
721-272/001-000	50	722-742/039-000	10	721-212/008-000	10	723-612/018-000	25	2721-212/008-000	25
Male headers with angled solder pins, 16 A, 2 ... 12 poles		Female headers with angled solder pins and locking levers, 2 ... 12 poles		Female connectors with mounting flanges, 2 ... 12 poles		Male connectors with snap-in flanges, 2 ... 12 poles		Female connectors with push-buttons and mounting flanges, 4 ... 12 poles	
721-862/001-000	200	722-832/039-000	100	721-202/031-000	50	723-602/114-000	100	2721-202/031-000	50
721-872/001-000	50	722-842/039-000	10	721-212/031-000	10	723-612/114-000	25	2721-212/031-000	10
		Female headers with straight solder pins and mounting flanges, 2 ... 12 poles		2-conductor female connectors, 2 ... 16 poles					
				0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG					
				722-732/031-000	100	721-2202/026-000	100		
				722-742/031-000	10	721-2212/026-000	25		
		Female headers with angled solder pins and mounting flanges, 2 ... 12 poles		2-conductor female connectors with locking levers, 2 ... 16 poles					
				0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG					
				722-832/031-000	100	721-2202/037-000	100		
				722-842/031-000	10	721-2212/037-000	25		
		Female headers with straight solder pins and spacers, 2 ... 12 poles						Female connectors with flanges for panel mounting, 2 ... 12 poles	
								0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG	
				722-732/047-000	100			721-332/031-000	50
				722-742/047-000	10			721-342/031-000	10
		Female headers with angled solder pins and spacers, 2 ... 12 poles						Female connectors with snap-in feet for panel mounting, 2 ... 12 poles	
								0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG	
				722-832/047-000	100			721-332/008-000	100
				722-842/047-000	10			721-342/008-000	25










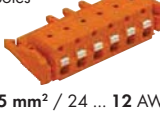




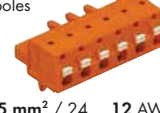




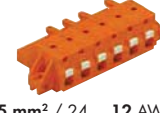



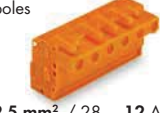
# MCS – MULTI CONNECTION SYSTEM







## – Product Overview by Pin Spacing –

231 / 232 / 731 / 732 / 2231 Series									
7.5 mm MIDI Classic, 100 % Mismatching Protection, 630 V, 12 A (16 A)									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 16 poles		Female headers with straight solder pins, 2 ... 16 poles		Female connectors, 2 ... 16 poles		Male connectors, 2 ... 16 poles		Female connectors with push-buttons, 2 ... 16 poles	
231-232/001-000	200	232-732	100	231-202/026-000	100	731-602	100	2231-202/026-000	100
231-246/001-000	50	232-746	10	231-216/026-000	10	731-616	10	2231-216/026-000	10
Male headers with angled solder pins, 2 ... 16 poles		Female headers with angled solder pins, 2 ... 16 poles		Female connectors with locking levers, 2 ... 16 poles		Male connectors with mounting flanges, 2 ... 16 poles		Female connectors with push-buttons and locking levers, 2 ... 16 poles	
231-832/001-000	200	232-832	100	231-202/037-000	50	731-602/019-000	100	2231-202/037-000	50
231-846/001-000	50	232-846	10	231-216/037-000	10	731-616/019-000	10	2231-216/037-000	10
Male headers with straight solder pins, 16 A, 2 ... 16 poles		Female headers with straight solder pins and locking levers, 2 ... 16 poles		Female connectors with snap-in mounting feet, 2 ... 16 poles		Male connectors with snap-in mounting feet, 2 ... 16 poles		Female connectors with push-buttons and snap-in mounting feet, 2 ... 16 poles	
231-262/001-000	200	232-732/039-000	100	231-202/008-000	100	731-602/018-000	100	2231-202/008-000	100
231-276/001-000	50	232-746/039-000	10	231-216/008-000	10	731-616/018-000	10	2231-216/008-000	10
Male headers with angled solder pins, 16 A, 2 ... 16 poles		Female headers with angled solder pins and locking levers, 2 ... 16 poles		Female connectors with mounting flanges, 2 ... 16 poles		Male connectors with snap-in mounting flanges, 2 ... 16 poles		Female connectors with push-buttons and mounting flanges, 2 ... 16 poles	
231-862/001-000	200	232-832/039-000	100	231-202/031-000	50	731-602/114-000	50	2231-202/031-000	50
231-876/001-000	50	232-846/039-000	10	231-216/031-000	10	731-616/114-000	10	2231-216/031-000	10
Male headers with straight solder pins, 2 ... 12 poles		Female headers with straight solder pins and mounting flanges, 2 ... 16 poles		2-conductor female connectors, 2 ... 12 poles					
231-232/001-000/105-604	200	232-732/031-000	100	231-2202/026-000	100				
231-242/001-000/105-604	50	232-746/031-000	10	231-2212/026-000	25				
Male headers with angled solder pins, 2 ... 12 poles		Female headers with angled solder pins and mounting flanges, 2 ... 16 poles		2-conductor female connectors with locking levers, 2 ... 12 poles				Double-pin male connectors for DIN-35 rail mounting, 2 ... 12 poles	
231-832/001-000/105-604	200	232-832/031-000	100	231-2202/037-000	100			232-562/007-000	50
231-842/001-000/105-604	50	232-846/031-000	10	231-2212/037-000	25			232-572/007-000	10
Male headers with straight solder pins, 16 A, 2 ... 12 poles		Female headers with straight solder pins and spacers, 2 ... 16 poles						Angled female connectors with mounting flanges, 2 ... 24 poles	
231-262/001-000/105-604	200	232-732/047-000	100					731-532/031-000	50
231-272/001-000/105-604	50	232-746/047-000	10					731-546/031-000	10
Male headers with angled solder pins, 16 A, 2 ... 12 poles		Female headers with angled solder pins and spacers, 2 ... 16 poles						Angled female connectors with snap-in mounting feet, 2 ... 12 poles	
231-862/001-000/105-604	200	232-832/047-000	100					731-532/008-000	100
231-872/001-000/105-604	50	232-846/047-000	10					731-546/008-000	10

# MCS - MULTI CONNECTION SYSTEM

## - Product Overview by Pin Spacing -

231 / 232 / 731 / 2231 Series									
7.62 mm MIDI Classic, 100 % Mismatching Protection, 630 V, 12 A (16 A)									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 12 poles		Female headers with straight solder pins, 2 ... 12 poles		Female connectors, 2 ... 12 poles		Male connectors, 2 ... 12 poles		Female connectors with push-buttons, 2 ... 12 poles	
231-732/001-000	200	232-762	100	231-702/026-000	100	731-632	50	2231-702/026-000	100
231-742/001-000	50	232-772	10	231-712/026-000	10	731-642	10	2231-712/026-000	10
Male headers with angled solder pins, 2 ... 12 poles		Female headers with angled solder pins, 2 ... 12 poles		Female connectors with locking levers, 2 ... 12 poles		Male connectors with mounting flanges, 2 ... 12 poles		Female connectors with push-buttons and locking levers, 2 ... 12 poles	
231-932/001-000	200	232-862	100	231-702/037-000	50	731-632/019-000	50	2231-702/037-000	50
231-942/001-000	50	232-872	10	231-712/037-000	10	731-642/019-000	10	2231-712/037-000	10
Male headers with straight solder pins, 16 A, 2 ... 12 poles		Female headers with straight solder pins and locking levers, 2 ... 12 poles		Female connectors with snap-in mounting feet, 2 ... 12 poles		Male connectors with snap-in mounting feet, 2 ... 12 poles		Female connectors with push-buttons and snap-in mounting feet, 2 ... 12 poles	
231-762/001-000	200	232-762/039-000	100	231-702/008-000	100	731-632/018-000	100	2231-702/008-000	100
231-772/001-000	50	232-772/039-000	10	231-712/008-000	10	731-642/018-000	10	2231-712/008-000	10
Male headers with angled solder pins, 16 A, 2 ... 12 poles		Female headers with angled solder pins and locking levers, 2 ... 12 poles		Female connectors with mounting flanges, 2 ... 12 poles		Male connectors with snap-in flanges, 2 ... 12 poles		Female connectors with push-buttons and mounting flanges, 2 ... 12 poles	
231-962/001-000	200	232-862/039-000	100	231-702/031-000	50	731-632/114-000	50	2231-702/031-000	50
231-972/001-000	50	232-872/039-000	10	231-712/031-000	10	731-646/114-000	10	2231-712/031-000	10
		Female headers with straight solder pins and mounting flanges, 2 ... 12 poles		2-conductor female connectors, 2 ... 12 poles		Double-pin male connectors for DIN-35 rail mounting, 2 ... 12 poles		Angled female connectors, conductor entry opposite of latches, 2 ... 12 poles	
		232-762/031-000	100	231-2702/026-000	100	232-582/007-000	50	732-122/026-000	100
		232-772/031-000	10	231-2712/026-000	25	232-592/007-000	10	732-132/026-000	25

831 Series									
7.62 mm MAXI, 100 % Mismatching Protection, 1,000 V, 41 A									
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Male headers with straight solder pins, 2 ... 9 poles		Female connectors, 2 ... 9 poles		Male connectors, 2 ... 9 poles		Male connectors with integrated mounting adapter for DIN-35 rail, 2 ... 9 poles			
831-3602	48			831-3102	48	831-3202	48	831-3202/007-000	48
831-3609	12			831-3109	12	831-3209	12	831-3209/007-000	12
Male headers with angled solder pins, 2 ... 9 poles		Female connectors with locking levers, 2 ... 9 poles							
831-3622	48			831-3102/037-000	48				
831-3629	12			831-3109/037-000	12				

# MCS – MULTI CONNECTION SYSTEM MIDI Classic

## Multi Mounting Adapter, Strain Relief Housings, Accessories

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

Adapter width: 10 mm/0.394 in.



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



Accessories

Color	Item No.	Pack. Unit
<b>Test plug, with 500 mm cable</b>		
2 mm Ø	210-136	50
2.3 mm Ø	210-137	50
<b>Test plug adapter, for female connectors, light gray</b>		
5/5.08 mm pin spacing		
	231-661	100
7.5/7.62 mm pin spacing		
	231-662	100

Color	Item No.	Pack. Unit
	209-148	25

Pole No.	Item No.	Item No.	Pack. Unit
<b>Snap-on type strain relief housing, consists of strain relief support and housing, for 734 Series</b>			
3.5 mm pin spacing 3.81 mm pin spacing			
	light gray	orange	
2	734-602 ①	734-632 ①	50
3	734-603 ①	734-633 ①	25
:	:	:	
6	734-606	734-636	25
7	734-607	–	25
8	734-608	734-638	25
9	734-609	734-639	25
10	734-610	734-640	25
12	734-612	734-642	25
<b>for 231 and 721 Series</b>			
	5 mm pin spacing	5.08 mm pin spacing	
2	232-602	232-632	25
3	232-603	232-633	25
:	:	:	
6	232-606	232-636	25
7	232-607	–	25
8	232-608	232-638	25
9	232-609	232-639	25
10	232-610	232-640	25
12	232-612	232-642	25

		231-193	100
		231-391	100

<b>Screw with nut, M 2 x 12, for fixing element</b>			
		231-195	100

<b>Mounting adapter</b>			
		209-137	1

<b>Spacer, for male connectors</b>			
		231-500	200

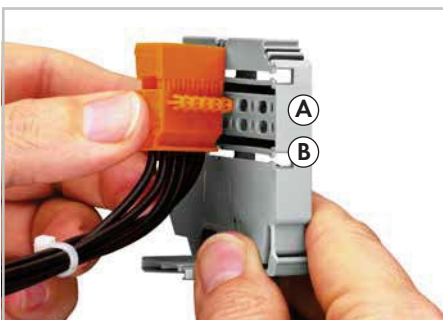
<b>Lockout cap</b>			
		231-668	500
		231-669	500

<b>Operating tool with a partially insulated shaft,</b>			
type 1, (2.5 x 0.4) mm blade			
		210-719	1
type 2, (3.5 x 0.5) mm blade			
		210-720	1

<b>Operating tool, for male and female connectors equipped with CAGE CLAMP® connection</b>			
	MINI/MIDI	210-250	1
	MINI/MICRO	210-251	1

<b>Comb-style jumper bar, for 5/5.08 mm pin spacing</b>			
	2-way	231-902	200
	3-way	231-903	100
	5-way	231-905	100
	7-way	231-907	100
	10-way	231-910	100

<b>Marking strip, 100 self-adhesive strips</b>			
<b>2.5 mm pin spacing</b>			
	1 ... 16 (400x)	210-331/250-202	
<b>3.5 mm pin spacing</b>			
	1 ... 16 (240x)	210-332/350-202	
<b>3.81 mm pin spacing</b>			
	1 ... 16 (160x)	210-332/381-202	
<b>5 mm pin spacing</b>			
	1 ... 12 (300x)	210-331/500-103	
<b>5.08 mm pin spacing</b>			
	1 ... 16 (200x)	210-331/508-103	
<b>7.5 mm pin spacing</b>			
	1 ... 16 (100x)	210-331/750-202	
<b>7.62 mm pin spacing</b>			
	1 ... 16 (100x)	210-331/762-202	



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







The adapter can be marked either with WMB or miniature WSB markers.







<b>Cable clamp, for strain relief</b>			
	Pole no.:	Pin spacing (mm):	
	6 ... 12 poles	3.5 + 3.81	
	4 ... 6 poles	5 + 5.08	
	3 poles	7.5 + 7.62	
	209-177		25
<b>Cable clamp, for strain relief</b>			
	7 or more poles	5 + 5.08	
	5 or more poles	7.5 + 7.62	
	209-174		25
<b>Fixing screw, for cable clamp</b>			
	Pole no.:	Pin spacing (mm):	
	4 ... 6 poles	5 + 5.08	
	3 poles	7.5 + 7.62	
	209-176		50
<b>Fixing screw, for cable clamp</b>			
	6 ... 12 poles	3.5 + 3.81	
	7 or more poles	5 + 5.08	
	5 or more poles	7.5 + 7.62	
	209-172		50
<b>Fixing screw, for cable clamp</b>			
	6 ... 12 poles	3.5 + 3.81	
	7 or more poles	5 + 5.08	
	5 or more poles	7.5 + 7.62	
	209-173		50

① 2 ... 5 poles only suitable for cable ties (734 Series) ② 2 ... 3 poles only suitable for cable ties (231, 721 and 731 Series)

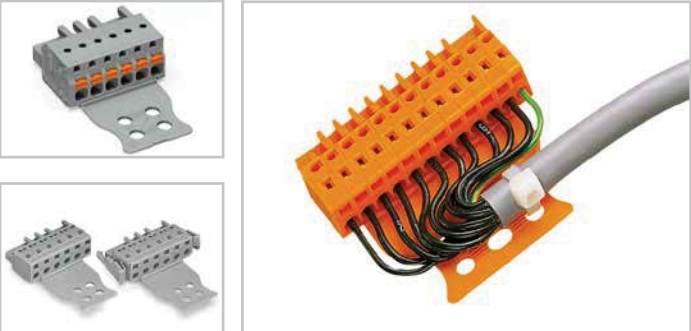
## MCS - MULTI CONNECTION SYSTEM MINI and MIDI Accessories

	733 Series Pin Spacing: 2.5 mm			734 Series Pin Spacing: 3.5 mm			231 / 721 / 722 Series					
	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Pin Spacing: 5 mm			Pin Spacing: 7.5 mm		
							Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Coding keys for male connectors 	○ ●	<b>733-330</b> <b>733-331</b>	100 100	○ ● ○	<b>734-130</b> <b>734-159</b> <b>734-400</b>	100 100 100	○ ○	<b>231-129</b> <b>231-160</b>	100 100	○	<b>231-130</b>	100
Insulation stops 	-	-	-	○	<b>734-671</b>	8x25	○ ○ ●	<b>231-670</b> <b>231-671</b> <b>231-672</b>	200 200 200	○ ○ ●	<b>231-673</b> <b>231-674</b> <b>231-675</b>	200 200 200
Operating levers 	○ ●	<b>733-130</b> <b>733-191</b>	4x25 4x25	○ ●	<b>734-230</b> <b>734-191</b>	4x25 4x25	○ ●	<b>231-131</b> <b>231-291</b>	4x25 4x25	○ ●	<b>231-131</b> <b>231-291</b>	4x25 4x25
Operating tools 	○ ●	<b>233-332</b> <b>233-331</b>	25 25	○ ●	<b>734-190</b> <b>734-231</b>	4x25 4x25	○ ●	<b>231-159</b> <b>231-231</b>	4x25 4x25	○ ●	<b>231-159</b> <b>231-231</b>	4x25 4x25

### Field-Assembled Strain Relief Plates for Female Connectors

	Pin Spacing	Pole No.	Width	Color/Item No.			Pack. Unit	Pole No.	Pin Spacing	
	2.5 mm	2 ... 4	6 mm	○ <b>734-127</b>	● <b>734-327</b>	● <b>734-227</b>	4x25	2 ... 3	3.5 / 3.81 mm	
		5 ... 9	12.5 mm	○ <b>734-128</b>	● <b>734-328</b>	● <b>734-228</b>	4x25	4 ... 8		
		10 ... 12	25 mm	○ <b>734-129</b>	● <b>734-329</b>	● <b>734-229</b>	4x25	9 ... 12		
		-	35 mm	○ <b>734-126</b>	● <b>734-326</b>	● <b>734-226</b>	4x25	13 ... 16		
		-	55 mm	○ <b>734-426</b>	● <b>734-430</b>	● <b>734-428</b>	2x25	17 ... max.		
	5 / 5.08 mm	2	6 mm	○ <b>734-127</b>	● <b>734-327</b>	● <b>734-227</b>	4x25	-	7.5 / 7.62 mm	
		3 ... 4	12.5 mm	○ <b>734-128</b>	● <b>734-328</b>	● <b>734-228</b>	4x25	2 ... 3		
		5 ... 7	25 mm	○ <b>734-129</b>	● <b>734-329</b>	● <b>734-229</b>	4x25	4 ... 6		
		8 ... 11	35 mm	○ <b>734-126</b>	● <b>734-326</b>	● <b>734-226</b>	4x25	7 ... 9		
		12 ... 16	55 mm	○ <b>734-426</b>	● <b>734-430</b>	● <b>734-428</b>	2x25	10 ... 12		
		17 ... 24	75 mm	○ <b>734-427</b>	● <b>734-431</b>	● <b>734-429</b>	2x25	13 ... 16		

### Factory-Assembled Strain Relief Plates for Female Connectors

Item No. Suffix	733 Series, Pin Spacing: 2.5 mm Pole No.	713 Series, Pin Spacing: 3.5 mm Pole No.	734 Series, Pin Spacing: 3.5 / 3.81 mm Pole No.	231 / 721 Series, Pin Spacing: 5 / 5.08 mm Pole No.	231 / 721 Series, Pin Spacing: 7.5 / 7.62 mm Pole No.
.../032-000	2 ... 4	6 ... 12	2 ... 3	2 ... 3	2
.../033-000	5 ... 9	14 ... 20	4 ... 8	4 ... 5	3 ... 5
.../034-000	10 ... 12	22 ... 28	9 ... 12	6 ... 9	6 ... 7
.../035-000	-	30 ... 36	13 ... 16	10 ... 24	8 ... 16
.../036-000	-	-	17 ... max.	-	-
Item No. Suffix	2721 / 2231 / 721 Series and 2-Conductor Female Connectors, Pin Spacing: 5 / 5.08 mm Pole No.	2721 / 2231 / 721 Series and 2-Conductor Female Connectors, Pin Spacing: 7.5 / 7.62 mm Pole No.			
.../132-000	2	-			
.../133-000	3 ... 4	2 ... 3			
.../134-000	5 ... 7	4 ... 6			
.../135-000	8 ... 11	7 ... 9			
.../136-000	12 ... 16	10 ... 12			
.../137-000	17 ... 24	13 ... 16			

#### Sample order:

Angled female connector with strain relief plate, 7.62 mm pin spacing, 5-pole, orange: **732-125/026-000/033-000**