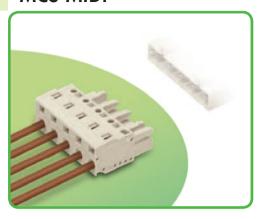
Female Connectors Pin Spacing 7.5 mm MCS-MIDI



- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Integrated test ports
- 100% protected against mismating
- With coding fingers

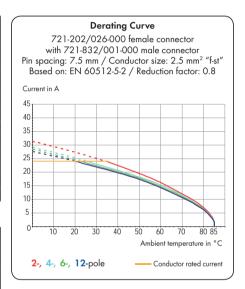
Technical data:

Pin Spacing	7.5 mm 0.295 in		
Rating per	IEC/	EN 606	64-1
Overvoltage category	III	Ш	II
Pollution degree	3	2	2
Rated voltage	500 V	630 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV
Nominal current	16 A	16 A	16 A
Approvals per		UL/CSA	
Use group UL 1059	В	С	D
Rated voltage	300 V	-	300 V
Nominal current UL	15 A	-	10 A
Nominal current CSA	15 A	-	10 A

The MCS-MIDI connection system is UL 1977 approved and capable of up to 600 V for factory wiring.

Conductor data:

Connection technology	CAGE CLAMP®	
Conductor size: solid	$0.08 - 2.5 \text{ mm}^2$	
Conductor size: fine-stranded	$0.08 - 2.5 \text{ mm}^2$	
Conductor size: fine-stranded	$0.25 - 1.5 \text{ mm}^2$	(with insulated ferrule)
Conductor size: fine-stranded	$0.25 - 2.5 \text{ mm}^2$	(with uninsulated ferrule)
AWG	28 - 12	12: THHN, THWN
Strip length	8 - 9 mm / 0.31	- 0.35 in



Material data:

Material group	1				
Insulating material	Nylon 6.6 (PA 6.6)				
Flammability rating per UL 94	V0				
Lower/Upper temperature limit	-60°C / +85°C				
Clamping spring material	Chrome-nickel spring steel (CrNi)				
Contact material	Copper alloy				
Contact plating	tin-plated				
MCS connectors are also available upon reques	t with gold-plated or partially gold-plated contact surfaces.				
Depending on the version requested, "item no. suffix /010-000" is added to the "basic item no."					

MCS-MIDI accessories:	Page:
Marking accessories	540 - 543
Operating tools	466 - 467
Direct marking	358 - 360
Insulation stop	469
Test plug adapter	474
Test plugs	538
Screws	546
Strain relief housings	472 - 473
Strain relief plates	470 - 471

MCS - MULTI CONNECTION SYSTEM includes connectors **without** breaking capacity in accordance with IEC 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live in unmated condition.

Female Connectors MCS-MIDI



Pin spacing 7.5 mm / 0.295 in

 $0.08 - 2.5 \text{ mm}^2$ AWG 28 - 12 630 V/ 6kV/2 16 A 300 V/15 A

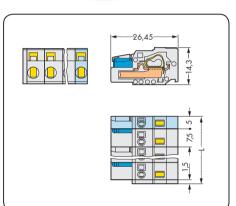
With locking levers Pin spacing 7.5 mm / 0.295 in

0.08 - 2.5 mm² AWG 28 - 12 630 V/6kV/2 16 A 300 V/15 A

With fixing flanges for racks and through-panel mounting Pin spacing 7.5 mm / 0.295 in

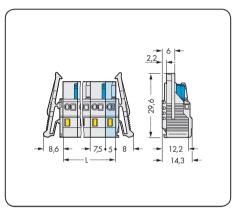
 $0.08 - 2.5 \, \text{mm}^2$ AWG 28 - 12 630 V/ 6kV/2 16 A 300 V/15 A





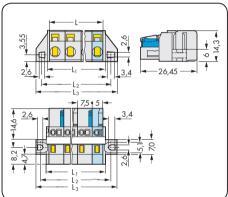






 $L = (pole no. - 1) \times pin spacing + 5 mm$





 $L = (pole no. - 1) \times pin spacing + 5 mm$ $L_1 = L + 3 mm$

= L + 8.8 mm = L + 14.8 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Female connector,		Female connector with locking levers,			Female connector with fixing flanges,			
light gray			light gray			for racks and through-panel mounting,		
						with reinforcing strips, light gray		
2	721-202/026-000	100	2	721-202/037-000	50	2	721-202/031-000	50
3	721-203/026-000	100	3	721-203/037-000	50	3	721-203/031-000	50
4	721-204/026-000	50	4	721-204/037-000	50	4	721-204/031-000	50
5	721-205/026-000	50	5	721-205/037-000	50	5	721-205/031-000	50
6	721-206/026-000	50	6	721-206/037-000	25	6	721-206/027-000	25
7	721-207/026-000	50	7	721-207/037-000	25	7	721-207/027-000	25
8	721-208/026-000	25	8	721-208/037-000	25	8	721-208/027-000	25
9	721-209/026-000	25	9	721-209/037-000	25	9	721-209/027-000	25
10	721-210/026-000	25	10	721-210/037-000	25	10	721-210/027-000	25
11	721-211/026-000	25	11	721-211/037-000	10	11	721-211/027-000	10
12	721-212/026-000	25	12	721-212/037-000	10	12	721-212/027-000	10
					Item nos. for 2- to 5-pole female connectors are		ıre	
					identical to item nos. for panel-mounted female			
						connectors.		
						For cutout dimensions, see page 484, table 1.		
2-pole female	e connectors - one latch only							



Description and HandlingMCS - MULTI CONNECTION SYSTEM **MIDI 100% Protected Against Mismating**



Inserting/removing conductor via 3.5 mm screwdriver - CAGE CLAMP®S actuation in mated condition.



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

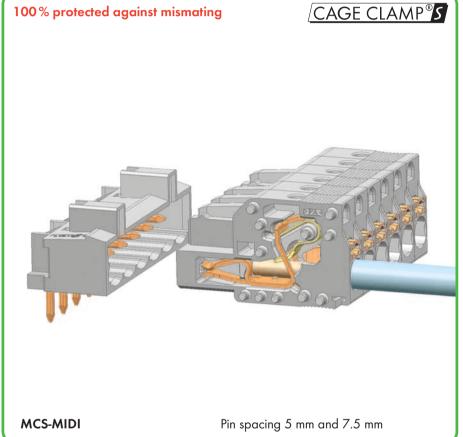


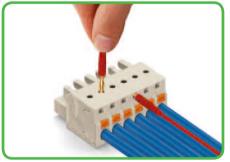
Coding a female connector - removing coding finger(s).

2721 Series Female Connector with Push-Buttons



Inserting solid or ferruled conductors via CAGE CLAMP®S push-in terminations.





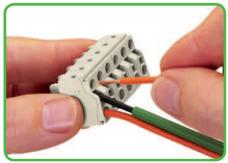
Testing parallel to conductor entry via integrated test ports - female connector with push-button actuated CAGE CLAMP®S. Tip contact with current bar from top of unit.



Marking via self-adhesive marker strips or factory direct



* For aluminum conductors, see notes in Section 11.



Inserting conductor via 3.5 mm screwdriver into a 2-conductor female connector equipped with CAGE CLAMP®S.



Inserting ferruled, fine-stranded conductors via CAGE CLAMP®S push-in terminations.





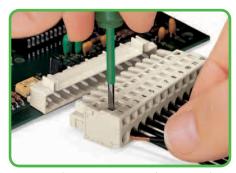


fine-stranded, also with tinned single strands

CAGE CLAMP®S



Inserting conductor via 3.5 mm screwdriver – horizontal CAGE CLAMP $^{\!0}$ actuation.

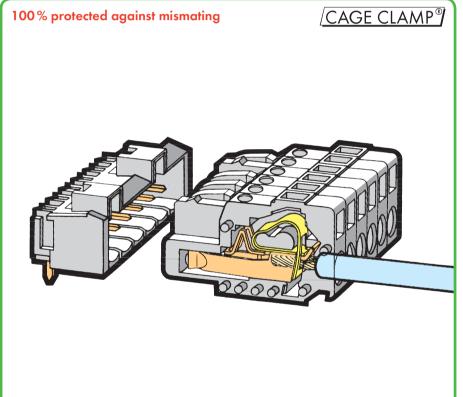


Inserting conductor via 3.5 mm screwdriver – vertical CAGE CLAMP $^{\! \odot}$ actuation.



Inserting conductor – CAGE CLAMP $^{\odot}$ actuation via 231-291 push-buttons.

721, 722 and 723 Series







Connectors for 280 Series rail-mounted terminal blocks.

Angled female connector for panel mounting.

MCS-MIDI

Pin spacing 5 mm and 7.5 mm



Male connector with strain relief plate.

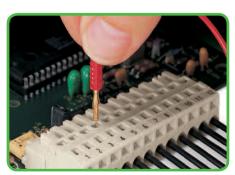


tip-bonded



Strain relief housing shown with a male connector equipped with CAGE CLAMP $^{\! \odot}\!\! .$





Testing – female connector with CAGE CLAMP®. Vertical insertion of Ø 2 mm and Ø 2.3 mm test plugs.



fine-stranded with crimped pin terminal (gas-tight)

