



MULTI CONNECTION SYSTEM

Product Overview



(800) 381-7308
(514) 388-7308

sales@diverseelectronics.com
diverseelectronics.com



The Complete Range of *MCS* Connectors – *MULTI CONNECTION SYSTEM*

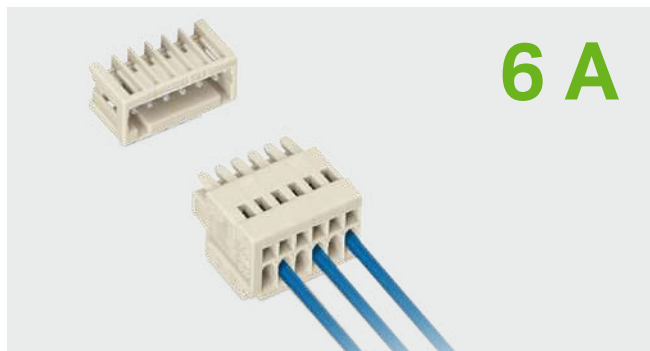
MICRO

Pin spacing: 2.5 mm

Conductor range: 0.08 mm² ... 0.5 mm²

The **"Most Compact"** MCS MICRO System with CAGE CLAMP® Connection:

- 100% protected against mismating
- Wire-to-board and wire-to-wire connections
- Custom coding options
- The housing's polyamide insulation material allows a rated voltage up to 320 V for pin spacing as low as 2.5 mm
- Through-Hole Reflow (THR) variants



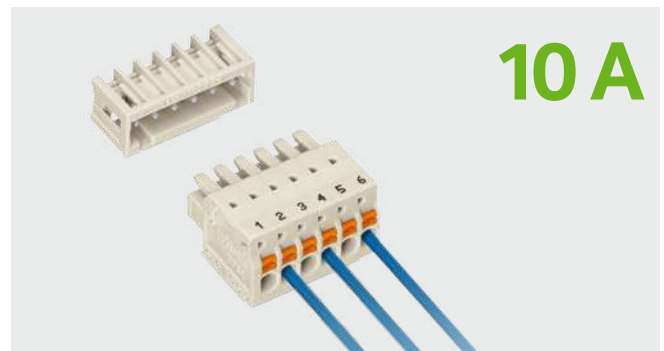
MINI

Pin spacing: 3.5 mm, 3.81 mm

Conductor range: 0.08 mm² ... 1.5 mm²

The **"Compact"** MCS MINI System with CAGE CLAMP® or Push-in CAGE CLAMP® Connection:

- 100% protected against mismating
- Wire-to-board, wire-to-wire, board-to-board and board-to-wire connections
- Custom coding options
- Versions with integrated push-buttons
- Through-Hole Reflow (THR) variants
- Also available with press-in mounting technology



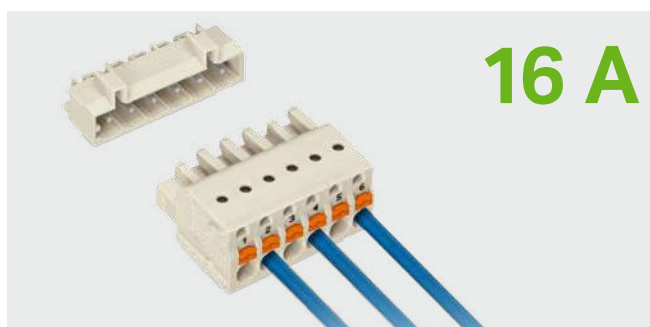
MIDI

Pin spacing: 5 mm, 7.5 mm

Conductor range: 0.08 mm² ... 2.5 mm²

The **"Versatile"** MCS MIDI System with CAGE CLAMP® or Push-in CAGE CLAMP® Connection:

- 100% protected against mismating
- Wire-to-board, wire-to-wire, board-to-board and board-to-wire connections
- Custom coding options
- Long contact pins connect to rail-mount terminal blocks
- Versions with integrated push-buttons
- Also available with press-in mounting technology



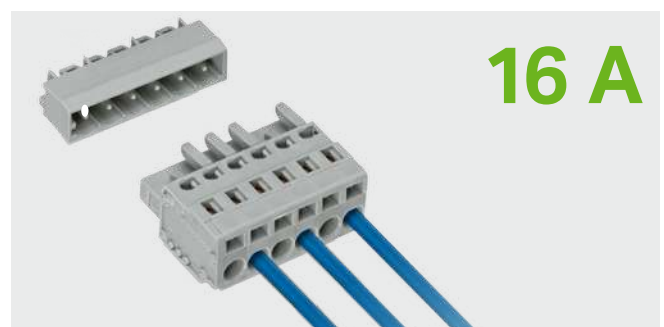
MIDI Classic

Pin spacing: 5 mm, 5.08 mm, 7.5 mm, 7.62 mm

Conductor range: 0.08 mm² ... 2.5 mm²

The **"Classic"** MCS MIDI System with CAGE CLAMP® or Push-in CAGE CLAMP® Connection:

- Group arrangement of female connectors in a single male header without loss of pin spacing
- Wire-to-board, wire-to-wire, board-to-board and board-to-wire connections
- Custom coding options
- Long contact pins connect to rail-mount terminal blocks
- Versions with integrated push-buttons
- Through-Hole Reflow (THR) variants



MINI SL

Pin spacing: 3.5 mm

Conductor range: 0.2 mm² ... 1.5 mm²

The **"Low-Profile"** MCS MINI System with Push-in CAGE CLAMP® Connection:

- Extremely low profile – just 7.8 mm
- For wire-to-board connections
- Testing parallel to conductor entry
- Custom coding options
- With integrated push-buttons
- Push-in termination of solid conductors and fine-stranded conductors with ferrules



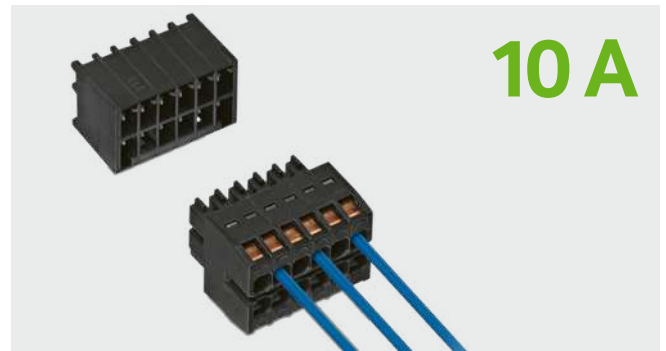
MINI HD

Pin spacing: 3.5 mm

Conductor range: 0.08 mm² ... 1.5 mm²

The **"Double-Row"** MCS MINI System with CAGE CLAMP® Connection:

- 100% protected against mismatching
- Double-row pole arrangement allows high-density, wire-to-board connectors to be used in very confined spaces
- Custom coding options
- External operating slots are easily accessible – even when wired
- Strain relief plates are available for mounting in center position



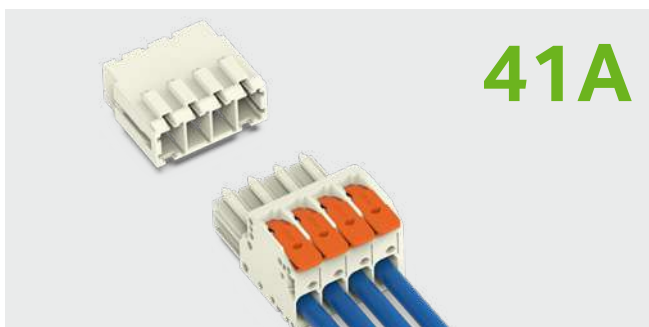
MAXI 6

Pin spacing: 7.62 mm

Conductor range: 0.5 mm² ... 10 mm²

The **"High-Current"** MCS MAXI 6 System with Push-in CAGE CLAMP® Connection:

- 100% protected against mismatching
- Wire-to-board and wire-to-wire connections
- Custom coding options
- 600 V per UL 1059 for standard male and female connectors
- Push-in termination of solid conductors and fine-stranded conductors with ferrules
- Variants with actuation via lever or operating tool



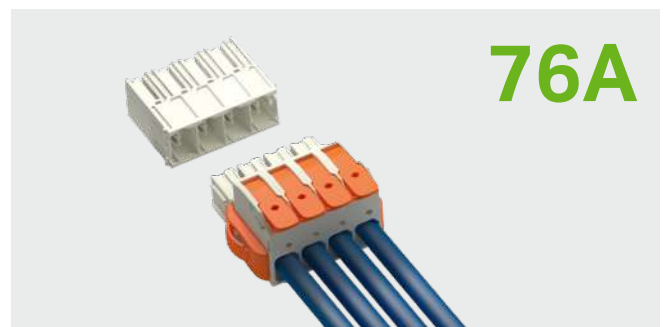
MAXI 16

Pin spacing: 10.16 mm

Conductor range: 0.75 mm² ... 25 mm²

The **"Highest-Performance"** MCS MAXI 16 System with Push-in CAGE CLAMP® Connection:

- Intuitive, tool-free, lever operation
- 100% protected against mismatching
- Wire-to-board and wire-to-wire connections
- Custom coding options
- 600 V per UL 1059 for standard male and female connectors
- Push-in termination of solid conductors and fine-stranded conductors with ferrules



MCS – MULTI CONNECTION SYSTEM

Product Overview Sorted by Pin Spacing

2.5 mm MICRO*	3.5 mm, 3.81 mm MINI 100 % Mismatching Protection				3.5 mm MINI HD*	3.5 mm MINI SL
Female connectors, 733 Series  <u>CAGE CLAMP®</u>	Female connectors, 734 Series  <u>CAGE CLAMP®</u>	Female connectors with locking levers, 734 Series  <u>CAGE CLAMP®</u>	Female connectors with screw flanges, 734 Series  <u>CAGE CLAMP®</u>	Female connectors, 713 Series  <u>CAGE CLAMP®</u>	Female connectors with push-buttons, 714 Series  <u>PUSH-IN CAGE CLAMP®</u>	
0.08 ... 0.5 mm² / 28 ... 20 AWG 733-106	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-106	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-106/037-000	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-106/107-000	0.08 ... 1.5 mm² / 28 ... 16 AWG 713-1108	0.2 ... 1.5 mm² / 24 ... 16 AWG 714-106	
Female connectors with locking levers, 733 Series  <u>CAGE CLAMP®</u>	Female connectors with snap-in mounting feet, 734 Series  <u>CAGE CLAMP®</u>	Female connectors with push-buttons, 2734 Series  <u>PUSH-IN CAGE CLAMP®</u>	Female connectors with push-buttons and locking levers, 2734 Series  <u>PUSH-IN CAGE CLAMP®</u>	Female connectors with levers, 713 Series  <u>CAGE CLAMP®</u>		
0.08 ... 0.5 mm² / 28 ... 20 AWG 733-106/037-000	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-106/008-000	0.2 ... 1.5 mm² / 24 ... 14 AWG 2734-106	0.2 ... 1.5 mm² / 24 ... 14 AWG 2734-106/037-000	0.08 ... 1.5 mm² / 28 ... 16 AWG 713-1108/037-000		
THT male headers, 733 Series 	Female connectors with push-buttons and mounting flanges, 2734 Series  <u>PUSH-IN CAGE CLAMP®</u>	Female connectors with push-buttons and screw flanges, 2734 Series  <u>PUSH-IN CAGE CLAMP®</u>		Female connectors with screw flanges, 713 Series  <u>CAGE CLAMP®</u>		
733-336	0.2 ... 1.5 mm² / 24 ... 14 AWG 2734-106/031-000	0.2 ... 1.5 mm² / 24 ... 14 AWG 2734-106/107-000		0.08 ... 1.5 mm² / 28 ... 16 AWG 713-1108/107-000		
	THT male headers, 734 Series 	THT male headers with threaded flanges, 734 Series  3.5	Female connectors, 2734 Series  3.5 <u>PUSH-IN CAGE CLAMP®</u>	THT male headers, 713 Series  THR	THT male headers, 714 Series 	
	734-136	734-136/108-000	0.14 ... 1.5 mm² / 26 ... 14 2734-1106/327-000	713-1408	714-136	
THT male headers, 733 Series  THR	THT double-deck male headers, 734 Series 	THT male headers, 734 Series  THR	Female connectors with locking levers, 2734 Series  3.5 <u>PUSH-IN CAGE CLAMP®</u>	THT male headers with levers, 713 Series  THR		
733-336/105-604	734-406	734-135/105-604	0.14 ... 1.5 mm² / 26 ... 14 2734-1106/328-000	713-1408/037-000		
Male connectors, 733 Series  <u>CAGE CLAMP®</u>	Male connectors, 734 Series  <u>CAGE CLAMP®</u>	Male connectors with mounting flanges, 734 Series  <u>CAGE CLAMP®</u>	Male connectors with threaded flanges, 734 Series  <u>CAGE CLAMP®</u>	THT male headers with threaded flanges, 713 Series  THR		
0.08 ... 0.5 mm² / 28 ... 20 AWG 733-206	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-306	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-306/019-000	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-306/109-000	713-1408/107-000		
	Male connectors with snap-in mounting feet, 734 Series  <u>CAGE CLAMP®</u>	THT female headers, 734 Series 	THT female headers with locking levers, 734 Series 			
	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-306/018-000	734-466	734-466/037-00			
	Combi strips, 734 Series  3.5 <u>CAGE CLAMP®</u>	Combi strips with snap-in mounting feet, 734 Series  3.5 <u>CAGE CLAMP®</u>				
	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-364	0.08 ... 1.5 mm² / 28 ... 14 AWG 734-366/008-000				

THR Through-hole reflow soldering

Only available in this pin spacing

*100% protected against mismatching

CAGE CLAMP®




To Use: Open the clamping unit, insert conductor, release the clamp.

5 mm, 5.08 mm MIDI Classic			7.5 mm MIDI 100 % Mismatch Protection		
Female connectors with snap-in mounting feet, 231 Series	Female connectors with locking levers, 231 Series	Female connectors with mounting flanges, 231 Series	Female connectors, 721 Series	Female connectors with snap-in mounting feet, 721 Series	Female connectors with locking levers, 721 Series
 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]
0.08 ... 2.5 mm ² / 28 ... 12 AWG 231-106/008-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 231-106/037-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 231-106/031-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 721-205/026-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 721-205/008-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 721-205/037-000
Female connectors with flanges for panel mounting, 731 Series	Female connectors with snap-in mounting feet for panel mounting, 731 Series		Female connectors with mounting flanges, 721 Series	Female connectors with flanges for panel mounting, 721 Series	Female connectors with snap-in feet for panel mounting, 721 Series
 [CAGE CLAMP®]	 [CAGE CLAMP®]		 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]
0.08 ... 2.5 mm ² / 28 ... 12 AWG 731-505/031-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 731-505/008-000		0.08 ... 2.5 mm ² / 28 ... 12 AWG 721-335/031-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 721-335/008-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 721-335/008-000
Female connectors with push-buttons and snap-in mounting feet, 2231 Series	Female connectors with push-buttons and locking levers, 2231 Series	Female connectors with push-buttons and mounting flanges, 2231 Series	Female connectors with push-buttons, 2721 Series	Female connectors with push-buttons and snap-in mounting feet, 2721 Series	Female connectors with push-buttons and locking levers, 2721 Series
 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]
0.2 ... 2.5 mm ² / 24 ... 12 AWG 2231-106/008-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 2231-106/037-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 2231-106/031-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 2721-206/026-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 2721-206/008-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 2721-206/037-000
2-conductor female connectors with locking levers, 231 Series	2-conductor female connectors with screw flanges, 231 Series		Female connectors with push-buttons and mounting flanges, 2721 Series	2-conductor female connectors, 721 Series	2-conductor female connectors with locking levers, 721 Series
 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]		 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]	 [PUSH-IN CAGE CLAMP®]
0.2 ... 2.5 mm ² / 24 ... 12 AWG 231-2106/037-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 231-2306/107-000		0.2 ... 2.5 mm ² / 24 ... 12 AWG 2721-206/031-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 721-2206/026-000	0.2 ... 2.5 mm ² / 24 ... 12 AWG 721-2206/037-000
THT male headers with threaded flanges, 231 Series	Male headers for double-deck assembly, 232 Series	THT male headers, 231 Series	THT male headers, 721 Series		
 5.08	 5	 5.08	 5		
231-336/108-000	232-136	231-135/001-000/105-604	721-235/001-000		
Male connectors with mounting flanges, 231 Series	Male connectors with snap-in flanges, 231 Series	Male connectors with threaded flanges, 231 Series	Male connectors, 723 Series	Male connectors with snap-in mounting feet, 723 Series	Male connectors with mounting flanges, 723 Series
 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]	 [CAGE CLAMP®]
0.08 ... 2.5 mm ² / 28 ... 12 AWG 231-606/019-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 231-606/114-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 231-636/109-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 723-605	0.08 ... 2.5 mm ² / 28 ... 12 AWG 723-605/018-000	0.08 ... 2.5 mm ² / 28 ... 12 AWG 723-605/019-000
	THT female headers 232 Series	THT female headers with locking levers, 232 Series	Male connectors with snap-in flanges, 723 Series		THT female headers, 722 Series
	 5	 5	 [CAGE CLAMP®]		 5
	232-136	232-136/039-000	722-735		
Male connectors for rail-mount terminal blocks, 231 Series	Female connectors for rail-mount terminal blocks, 232 Series	Female connectors for rail-mount terminal blocks with locking levers, 232 Series	THT female headers with locking levers, 722 Series	THT female headers with mounting flanges, 722 Series	THT female headers with pacers, 722 Series
 5	 5	 5	 5	 5	 5
231-166/003-000	232-136/005-000	232-136/005-000/039-000	722-735/039-000	722-735/031-000	722-735/047-000

PUSH-IN CAGE CLAMP®

The universal connection with an additional advantage: Push-in

To use: Open the clamping unit, insert conductor, release the clamp.

7.5 mm, 7.62 mm MIDI Classic			7.62 mm MAXI 6		10.16 mm MAXI 16
Female connectors, 231 Series	Female connectors with snap-in mounting feet, 231 Series	Female connectors with locking levers, 231 Series	Female connectors, 831 Series	Female connectors with levers, 831 Series	Female connectors with levers, 832 Series
					
<u>CAGE CLAMP®</u>	<u>CAGE CLAMP®</u>	<u>CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
3 ... 2.5 mm² / 28 ... 12 AWG 231-206/026-000	0.08 ... 2.5 mm² / 28 ... 12 AWG 231-206/008-000	0.08 ... 2.5 mm² / 28 ... 12 AWG 231-206/037-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-3104	0.5 ... 10 mm² / 20 ... 8 AWG 831-1104	0.75 ... 25 mm² / 18 ... 4 AWG 832-1104
Female connectors with mounting flanges, 231 Series	Angled female connectors, 732 Series	Female connectors with flanges or snap-in mounting feet for panel mounting, 731 Series	Female connectors with locking levers, 831 Series	Female connectors with levers and locking levers, 831 Series	Female connectors with levers and locking levers, 832 Series
					
<u>CAGE CLAMP®</u>	<u>CAGE CLAMP®</u>	<u>CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
3 ... 2.5 mm² / 28 ... 12 AWG 231-206/031-000	0.08 ... 2.5 mm² / 28 ... 12 AWG 732-106/026-000	0.08 ... 2.5 mm² / 28 ... 12 AWG 731-535/031-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-3104/037-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-1104/038-000	0.75 ... 25 mm² / 18 ... 4 AWG 832-1104/037-000
Female connectors with push-buttons, 231 Series	Female connectors with push-buttons and snap-in mounting feet, 2231 Series	Female connectors with push-buttons and locking levers, 2231 Series	Female connectors with screw flanges, 831 Series	Female connectors with levers and center locking levers, 831 Series	Female connectors with levers and center locking levers, 832 Series
					
<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
3 ... 2.5 mm² / 24 ... 12 AWG 231-206/031-000	0.2 ... 2.5 mm² / 24 ... 12 AWG 732-106/008-000	0.2 ... 2.5 mm² / 24 ... 12 AWG 2231-206/037-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-3104/107-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-1104/322-000	0.75 ... 25 mm² / 18 ... 4 AWG 832-1104/322-000
Female connectors with push-buttons and mounting flanges, 231 Series	2-conductor female connectors, 231 Series	2-conductor female connectors with locking levers, 231 Series	Female connectors with levers and mounting adapters, 831 Series	Male connectors with threaded flanges, 831 Series	Female connectors with levers and mounting adapters, 832 Series
					
<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
3 ... 2.5 mm² / 24 ... 12 AWG 231-206/031-000	0.2 ... 2.5 mm² / 24 ... 12 AWG 231-2206/026-000	0.2 ... 2.5 mm² / 24 ... 12 AWG 231-2206/037-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-1104/306-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-3204/109-000	0.75 ... 25 mm² / 18 ... 4 AWG 832-1104/306-000
THT male headers, 231 Series	THT male headers with mounting flanges, 231 Series	THT male headers, 231 Series	Female connectors with levers and mounting adapters, 831 Series	THT male headers, 831 Series	Female connectors with levers and mounting adapters, 832 Series
					
<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>THR</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
231-236/001-000	231-240/040-000	231-236/001-000/105-604	0.5 ... 10 mm² / 20 ... 8 AWG 831-1104/038-000/306-000	831-3604/108-000	0.75 ... 25 mm² / 18 ... 4 AWG 832-1104/037-000/306-000
Male connectors, 231 Series	Male connectors with snap-in mounting feet, 731 Series	Male connectors with mounting flanges, 731 Series	THT male headers, 831 Series	THT female headers, 831 Series	THT male headers, 832 Series
					
<u>CAGE CLAMP®</u>	<u>CAGE CLAMP®</u>	<u>CAGE CLAMP®</u>			
3 ... 2.5 mm² / 28 ... 12 AWG 231-606	0.08 ... 2.5 mm² / 28 ... 12 AWG 731-606/018-000	0.08 ... 2.5 mm² / 28 ... 12 AWG 731-606/019-000	831-3604	831-3504	832-3604
Female connectors with push-in flanges, 231 Series	Double-pin male connectors for DIN-35 rail mounting, 232 Series	THT female headers, 232 Series	Male connectors, 831 Series	Male connectors with levers, 831 Series	Male connectors with levers, 832 Series
					
<u>CAGE CLAMP®</u>			<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
3 ... 2.5 mm² / 28 ... 12 AWG 231-606/114-000	232-566/007-000	232-736	0.5 ... 10 mm² / 20 ... 8 AWG 831-3204	0.5 ... 10 mm² / 20 ... 8 AWG 831-1204	0.75 ... 25 mm² / 18 ... 4 AWG 832-1204
THT female headers with locking levers, 231 Series	THT female headers with mounting flanges, 232 Series	THT female headers with spacers, 232 Series	Male connectors for mounting on DIN-35 rail, 831 Series	Male connectors with levers and mounting adapters, 831 Series	Male connectors with levers and mounting adapters, 832 Series
					
			<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>	<u>PUSH-IN CAGE CLAMP®</u>
232-736/039-000	232-736/031-000	232-736/047-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-3204/007-000	0.5 ... 10 mm² / 20 ... 8 AWG 831-1204/306-000	0.75 ... 25 mm² / 18 ... 4 AWG 832-1204/306-000

Terminate both solid and ferruled conductors by simply pushing them in – no operating tool needed.