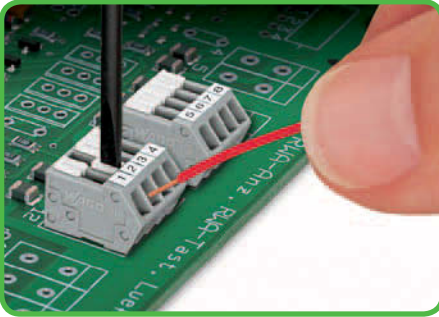
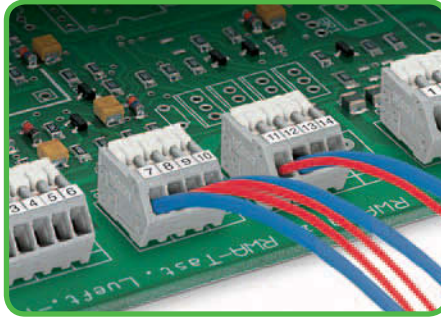
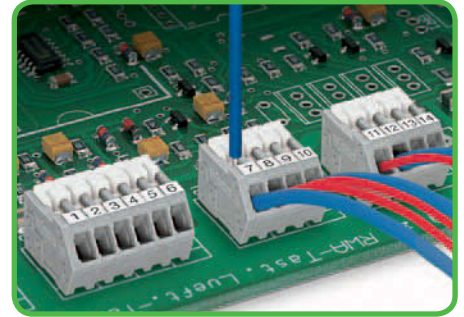




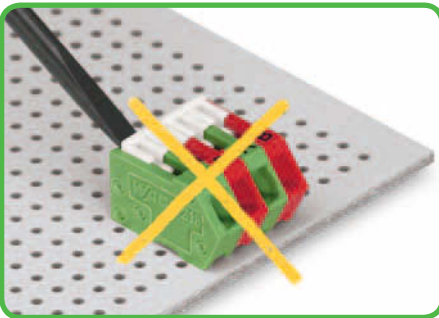
Terminating stranded conductors in confined spaces requires a great deal of patience, unless you use the new 218 Series terminal strips. The clamping units of these strips can be held open during termination process via integrated locking slide.



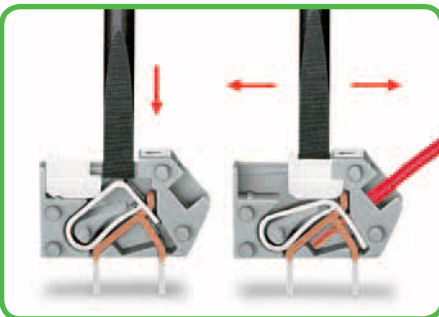
Terminating 0.75 mm² / AWG 18 conductors is possible; however insulation diameter does not allow clamping units to be terminated in a row with this conductor size.



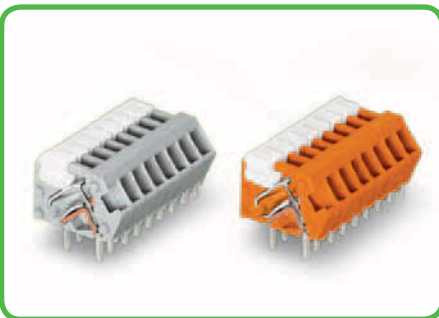
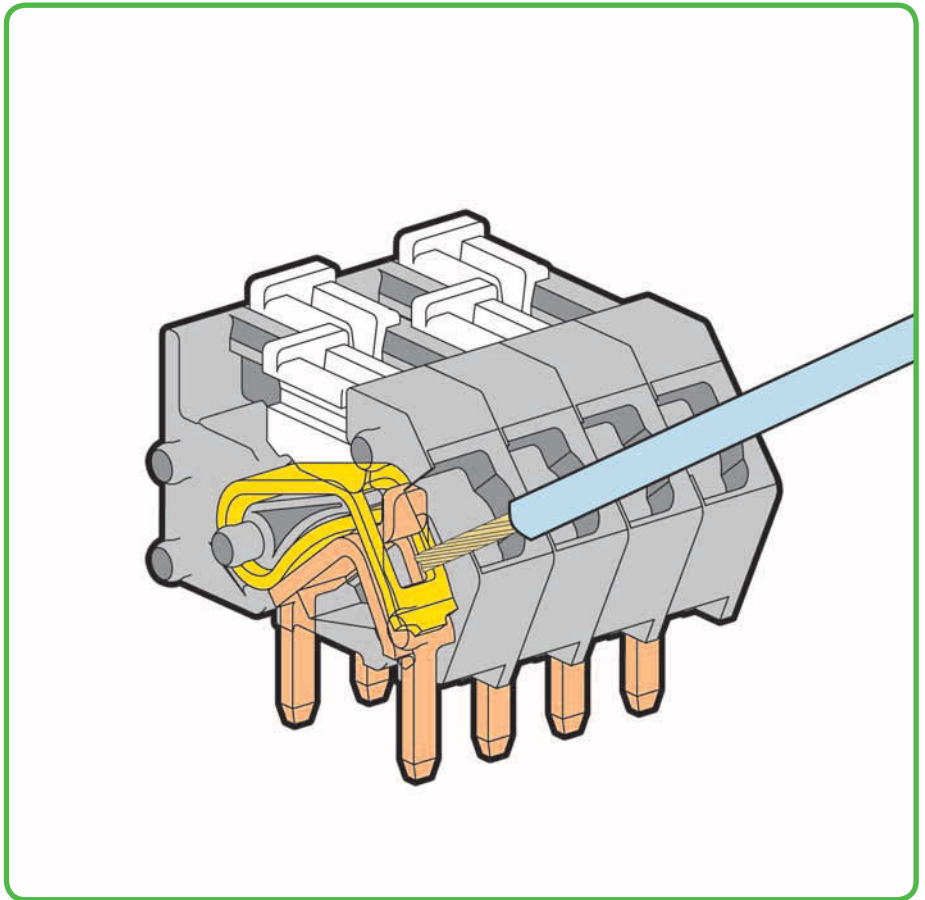
Testing directly on the clamping spring.



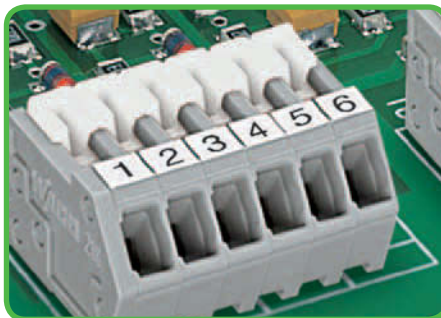
Incorrect – Do not operate the locking slides from the back.



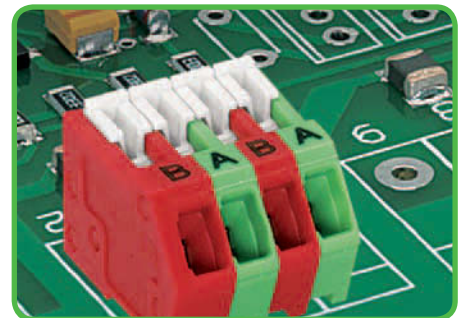
Conductor termination: To momentarily open clamping unit, use screwdriver and then insert stripped conductor. To open clamping unit for extended period, move locking slide toward conductor entry hole. Then fully insert stripped conductor and move locking slide back to original position (also possible perform with fingernail).



Insulating housings available in different colors.



Marking via self-adhesive strips or ...



... factory direct printing.



CAGE CLAMP® clamps the following copper conductors:*

solid



stranded



fine-stranded,
also with tinned
single strands

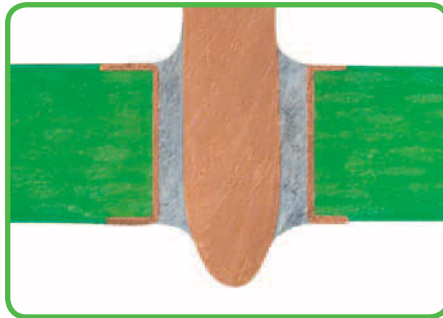
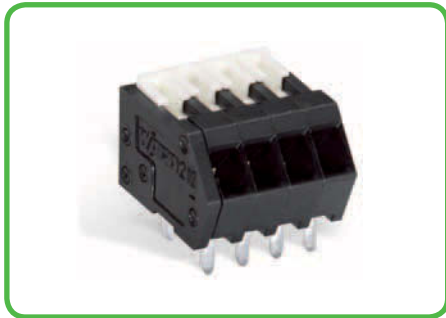
* For aluminum conductors, see notes in Section 11.

THR Soldering Process (Through-Hole Reflow)

1

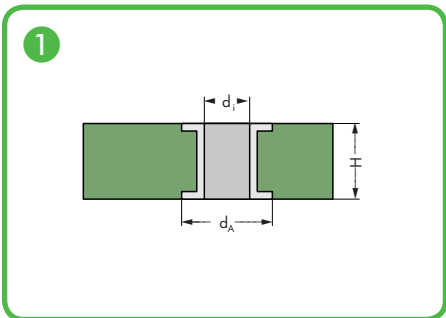
81

1

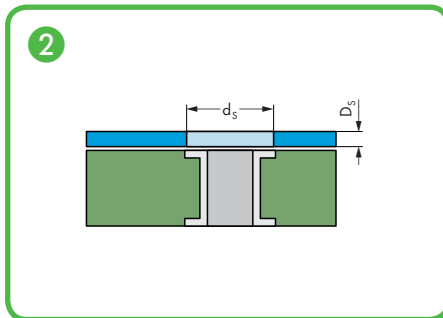


By using high-temperature resistant plastic and a streamlined pin design, the WAGO Through-Hole Reflow headers and PCB terminal blocks meet requirements for SMT process capability while maintaining necessary stability. The headers and THR PCB terminal blocks are simply pushed into the solder paste-filled PCB holes and then soldered along with the SMT components via reflow soldering. The previous wave soldering process is no longer necessary. The result is a perfect connection - both mechanically and electrically.

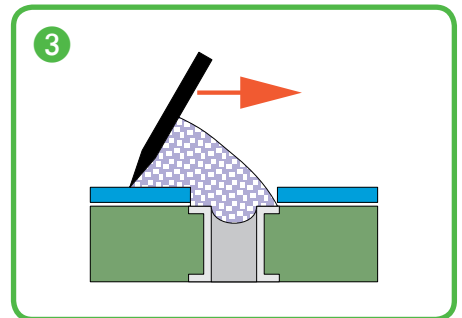
Terminal strips with additional suction pad in tape-and-reel packaging according to IEC 60286-3.



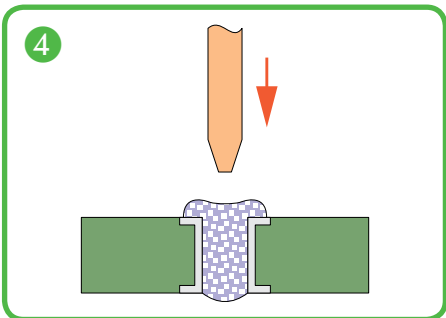
Metal-plated PCB hole



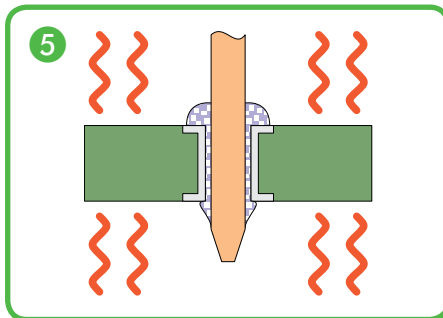
SMD positioning pattern



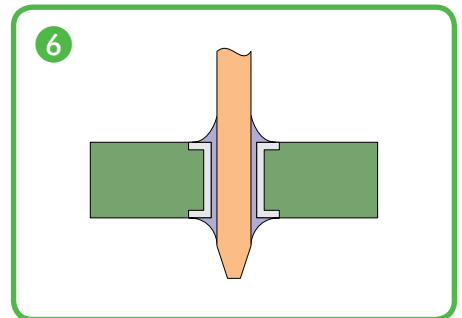
Application of solder paste



Component assembly automatic/by hand

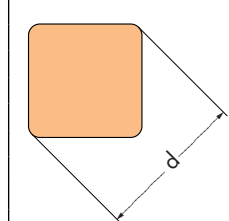


Reflow soldering process



THR soldering joint

Series	d_i (mm)	d_A (mm)	H (mm)	d_s (mm)	D_s (μm)	d (mm)	L (mm)
734	$1.4^{+0.1}$	2.5	< 2	2.4	150	1.2	2.4
231	$1.4^{+0.1}$	2.5	< 2	2.4	150	1.2	2.4
236	$1.1^{+0.1}$	2.2	< 2	2.1	150	0.9	3.6
733	$1.2^{+0.1}$	1.9	< 2	1.8	150	1.0	2.4
218	$1.1^{+0.1}$	1.9	< 2	1.8	150	0.9	2.8
250	$1.1^{+0.1}$	2.0	< 2	1.9	150	0.9	3.6



d_i : Inner diameter of metal-plated PCB hole
 d_A : Outer diameter of metal-plated PCB bore hole*
H: PCB thickness
 d_s : Pattern hole diameter
 D_s : Pattern thickness
d: Pin diagonal
L: Pin length

* When laying out the metal-plated bore holes, the clearance and creepage distance requirements - as specified in the equipment standards - must be considered.

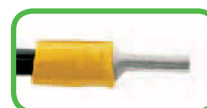
WAGO recommends a temperature profile that adheres to EN 61760-1 and the use of forced convection ovens for processing THR components.



fine-stranded,
tip-bonded

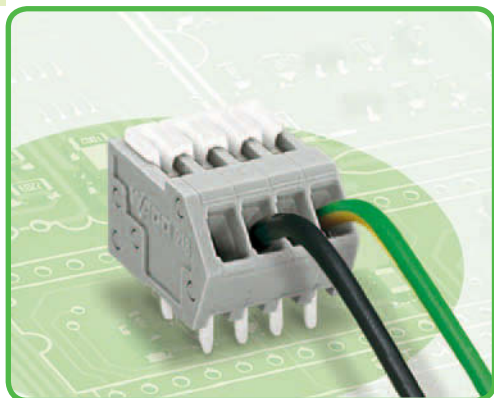


fine-stranded with
ferrules
(gas-tight crimped)



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

PCB Terminal Strips with Locking Slides 0.5 mm² Pin Spacing 2.5 mm, 2.54 mm 218 Series



- Terminal strips are just 8.1 mm high and feature an innovative, locking slide-actuated CAGE CLAMP®
- Several clamping units can be held open simultaneously
- Easy termination of stranded conductors in tight spaces (e.g., bus connectors)

Technical data:

Pin Spacing	2.5 mm 0.098 in			2.54 mm 0.1 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	80 V	160 V	320 V	80 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	
Nominal current	6 A	6 A	6 A	6 A	6 A	6 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	150 V	-	-	150 V	-	-	
Nominal current UL	4 A	-	-	4 A	-	-	
Nominal current CSA	4 A	-	-	4 A	-	-	

Conductor and solder pin data:

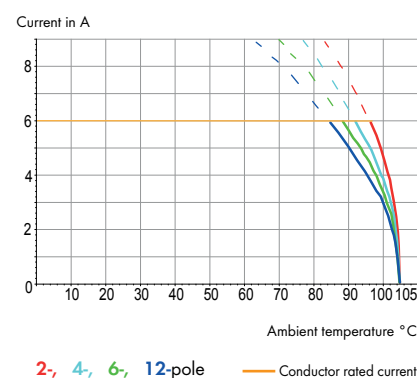
Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 0.5 mm ² *
Conductor size: fine-stranded	0.08 – 0.5 mm ² *
Conductor size: fine-stranded	0.25 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 mm ² (with uninsulated ferrule)
AWG	28 – 20*
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	40° to PCB
Solder pin: length/width	2.8 mm / 0.5 x 0.75 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Current-Carrying Capacity Curve

Pin spacing: 2.5 mm / Conductor size: 0.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



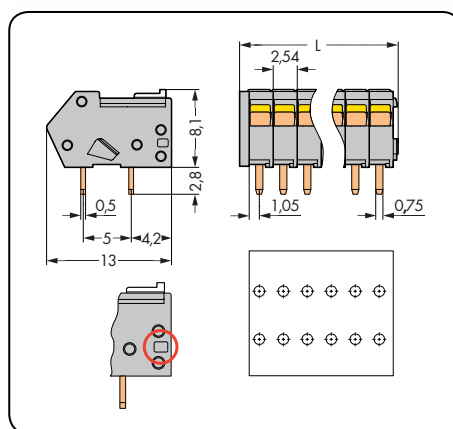
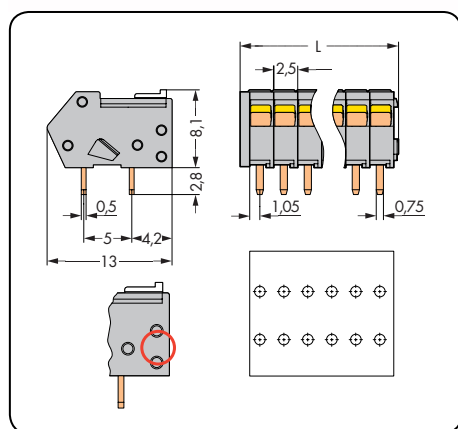
218 Series accessories:

Page:

Marking accessories	540 – 543
Operating tools	526 – 528
Test pin	538

* Terminating 0.75 mm² / AWG 18 conductors is possible; however insulation diameter does not allow clamping units to be terminated in a row.

Pin spacing 2.5 mm / 0.098 in		Pin spacing 2.54 mm / 0.1 in	
0.08 – 0.5 mm ²	AWG 28 – 20	0.08 – 0.5 mm ²	AWG 28 – 20
160 V/2.5 kV/2 6 A	150 V/4 A	160 V/2.5 kV/2 6 A	150 V/4 A



L = (pole no. x pin spacing) + 1.5 mm

○ A groove at the back of the terminal strip differentiates between the two pin spacings.

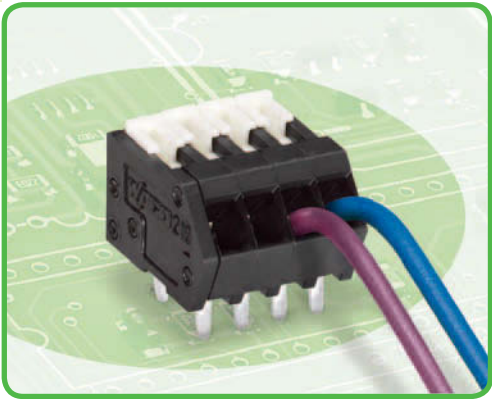
Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with locking slides, 2 solder pins/pole in line, gray, locking slides, white			Terminal strip with locking slides, 2 solder pins/pole in line, gray, locking slides, white		
2	218-102	1000 (10 x 100)	2	218-502	1000 (10 x 100)
3	218-103	1000 (10 x 100)	3	218-503	1000 (10 x 100)
4	218-104	500 (5 x 100)	4	218-504	500 (5 x 100)
5	218-105	500 (5 x 100)	5	218-505	500 (5 x 100)
6	218-106	280 (4 x 70)	6	218-506	280 (4 x 70)
7	218-107	240 (4 x 60)	7	218-507	240 (4 x 60)
8	218-108	220 (4 x 55)	8	218-508	220 (4 x 55)
9	218-109	200 (4 x 50)	9	218-509	200 (4 x 50)
10	218-110	180 (4 x 45)	10	218-510	160 (4 x 40)
11	218-111	160 (4 x 40)	11	218-511	160 (4 x 40)
12	218-112	140 (4 x 35)	12	218-512	140 (4 x 35)
13	218-113	140 (4 x 35)	13	218-513	140 (4 x 35)
14	218-114	120 (4 x 30)	14	218-514	120 (4 x 30)
15	218-115	120 (4 x 30)	15	218-515	120 (4 x 30)
16	218-116	100 (4 x 25)	16	218-516	100 (4 x 25)
:	:	:	:	:	:
21	218-121	80 (4 x 20)	21	218-521	80 (4 x 20)
22	218-122	80 (4 x 20)	22	218-522	80 (4 x 20)
23	218-123	80 (4 x 20)	23	218-523	80 (4 x 20)
24	218-124	60 (4 x 15)	24	218-524	60 (4 x 15)

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● black	.../000-004	Ordering example: Terminal strip, 2.5 mm pin spacing, 8-pole, orange 2 solder pins in line: 218-108/000-012
● red	.../000-005	
● blue	.../000-006	
● orange	.../000-012	
● green	.../000-023	
○ white	.../000-050	

Please contact factory for other lengths, colors, mixed-color terminal strips, or direct marking.

PCB Terminal Strips with Locking Slides 0.5 mm², THR (Through-Hole Reflow*) Pin Spacing 2.5 mm, 2.54 mm 218 Series



- Terminal strips are just 8.1 mm high and feature an innovative, locking slide-actuated CAGE CLAMP®
- Several clamping units can be held open simultaneously
- Easy termination of stranded conductors in tight spaces (e.g., bus connectors)
- THR soldering provides integration into SMT assembly and soldering processes

Technical data:

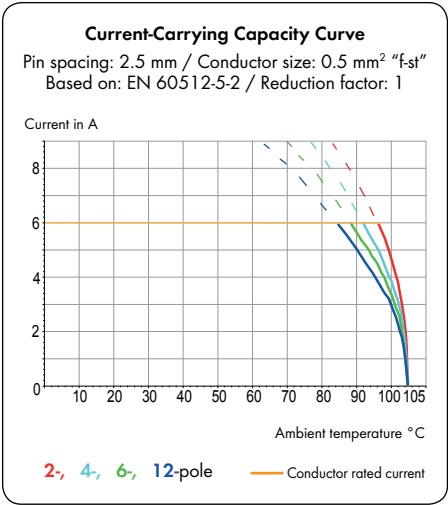
Pin Spacing	2.5 mm 0.098 in			2.54 mm 0.1 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	32 V	160 V	160 V	32 V	160 V	160 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	
Nominal current	6 A	6 A	6 A	6 A	6 A	6 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	-	-	-	-	-	-	
Nominal current UL	-	-	-	-	-	-	
Nominal current CSA	-	-	-	-	-	-	

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 0.5 mm²**
Conductor size: fine-stranded	0.08 – 0.5 mm²**
Conductor size: fine-stranded	0.25 mm² (with insulated ferrule)
Conductor size: fine-stranded	0.25 mm² (with uninsulated ferrule)
AWG	28 – 20**
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	40° to PCB
Solder pin: length/width	2.8 mm / 0.5 x 0.75 mm
Solder pin: metal-plated hole diam.	1.1 ^{+0.1} mm

Material data:

Material group	III a
Insulating material	Nylon 4.6 (PA 4.6)
Flammability rating per UL 94	V2
Lower/Upper temperature limit	-60°C / +115°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated



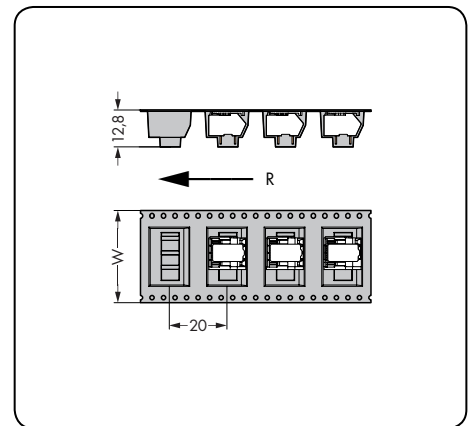
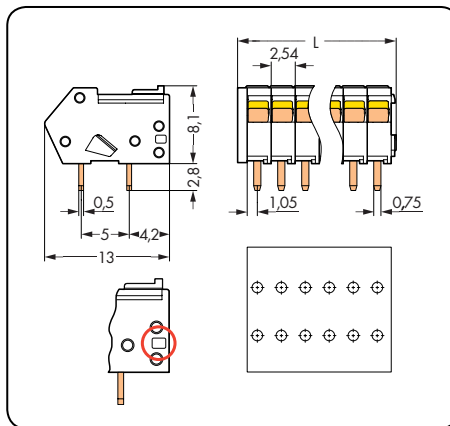
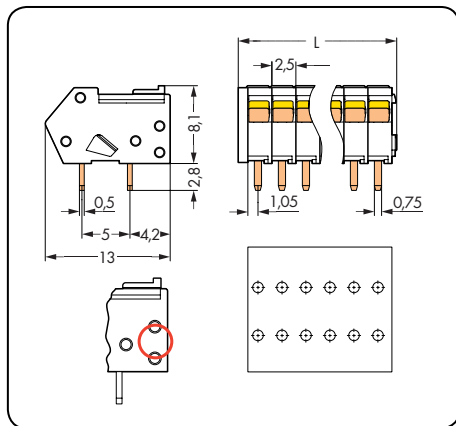
218 Series accessories:

Page:

Marking accessories	540 – 543
Operating tools	526 – 528
Test pin	538

** Terminating 0.75 mm² / AWG 18 conductors is possible; however insulation diameter does not allow clamping units to be terminated in a row.

Pin spacing 2.5 mm / 0.098 in		Pin spacing 2.54 mm / 0.1 in		Terminal strips in tape-and-reel packaging
0.08 – 0.5 mm ² 160 V/2.5 kV/2 6 A	AWG 28 – 20	0.08 – 0.5 mm ² 160 V/2.5 kV/2 6 A	AWG 28 – 20	Pin spacing 2.5 mm Pin Spacing 2.54 mm



L = (pole no. x pin spacing) + 1.5 mm

○ A groove at the back of the terminal strip differentiates between the two pin spacings.

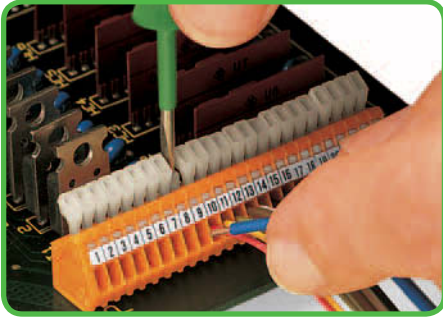
W = Tape width

R = Feed direction

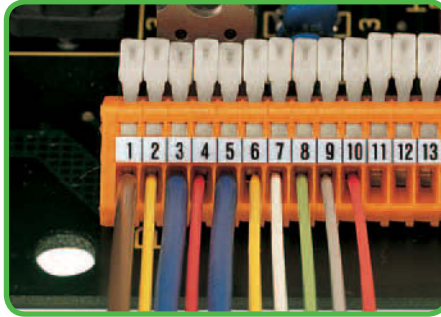
Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	W
Terminal strip with locking slides, 2 solder pins/pole in line, black, locking slides, white			Terminal strip with locking slides, 2 solder pins/pole in line, black, locking slides, white			Terminal strips with additional suction pad in tape-and-reel packaging acc. to IEC 60286-3, 2.5 mm pin spacing:		
								(mm)
2	218-102/000-604	1000 (10 x 100)	2	218-502/000-604	1000 (10 x 100)	2	218-102/000-604/997-403	16
3	218-103/000-604	1000 (10 x 100)	3	218-503/000-604	1000 (10 x 100)	3	218-103/000-604/997-405	32
4	218-104/000-604	500 (5 x 100)	4	218-504/000-604	500 (5 x 100)	4	218-104/000-604/997-405	32
5	218-105/000-604	500 (5 x 100)	5	218-505/000-604	500 (5 x 100)	5	218-105/000-604/997-405	32
6	218-106/000-604	280 (4 x 70)	6	218-506/000-604	280 (4 x 70)	6	218-106/000-604/997-405	32
7	218-107/000-604	240 (4 x 60)	7	218-507/000-604	240 (4 x 60)	7	218-107/000-604/997-405	32
						Terminal strips with additional suction pad in tape-and-reel packaging acc. to IEC 60286-3, 2.54 mm pin spacing:		
								(mm)
						2	218-502/000-604/997-403	16
						3	218-503/000-604/997-405	32
						4	218-504/000-604/997-405	32
						5	218-505/000-604/997-405	32
						6	218-506/000-604/997-405	32
						7	218-507/000-604/997-405	32
						330 mm reel diameter, 250 pieces per reel		

1 Description and Handling 233 and 234 Series with Push-Buttons

86



Inserting/removing conductor via push-button.

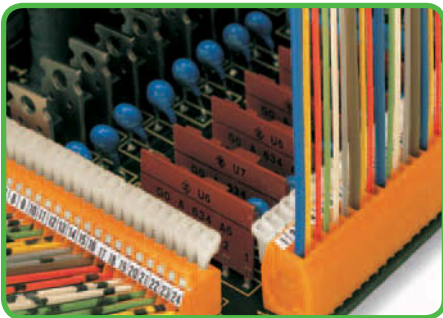
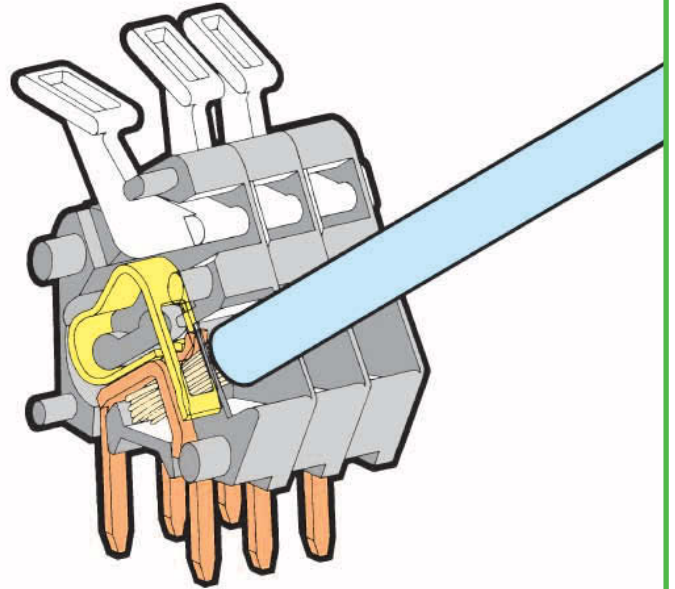


Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



Marking via self-adhesive strips or factory direct printing.

233 Series



CAGE CLAMP® clamps
the following copper
conductors:*

solid

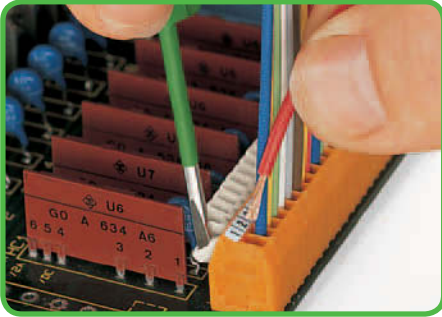


stranded

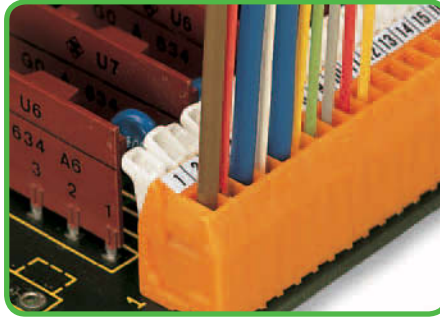


fine-stranded,
also with tinned
single strands

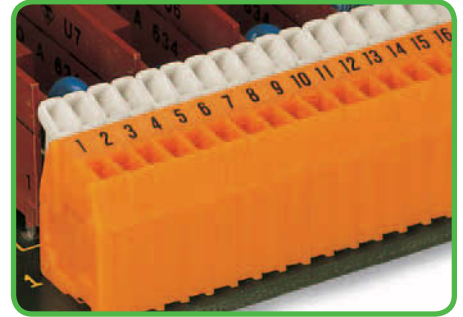
* For aluminum conductors, see notes in Section 11.



Inserting/removing conductor via push-button.

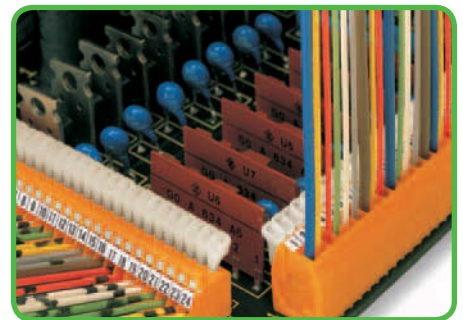
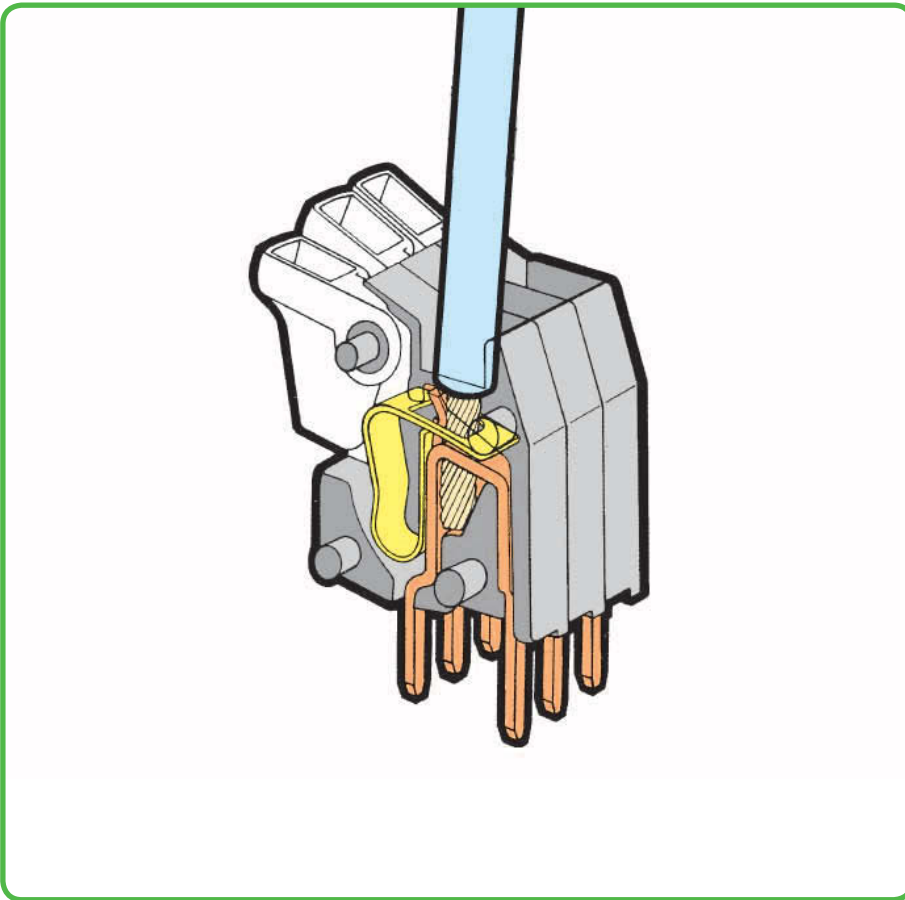


Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



Marking via self-adhesive strips or factory direct printing.

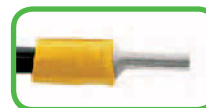
234 Series



fine-stranded,
tip-bonded

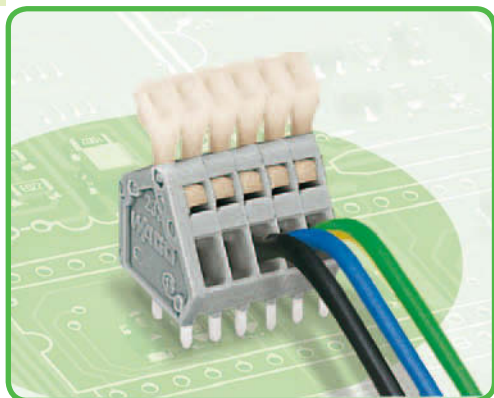


fine-stranded with
crimped ferrules
(gas-tight)



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

PCB Terminal Strips with Push-Buttons 0.5 mm² Pin Spacing 2.5 mm, 2.54 mm 233 Series



- Terminal strips with push-button actuated CAGE CLAMP®
- Double solder pins for high stability on the PCB
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation
- For 233 Series without push-buttons, see page 19

Technical data:

Pin Spacing	2.5 mm 0.098 in			2.54 mm 0.1 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	63 V	160 V	320 V	63 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	
Nominal current	6 A	6 A	6 A	6 A	6 A	6 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	150 V	-	-	150 V	-	-	
Nominal current UL	4 A	-	-	4 A	-	-	
Nominal current CSA	4 A	-	-	4 A	-	-	

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid*	0.08 – 0.5 mm ² *
Conductor size: fine stranded*	0.08 – 0.5 mm ² *
Conductor size: fine-stranded	0.25 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 mm ² (with uninsulated ferrule)
AWG*	28 – 20*
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	30° to PCB
Solder pin: length/width	4 mm / 0.5 x 0.75 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

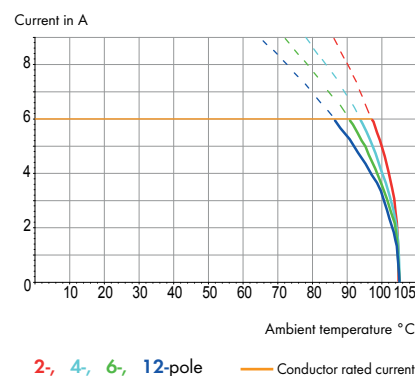
Material data:

Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

* Terminating 0.75 mm² / AWG 18 conductors is possible; however insulation diameter does not allow clamping units to be terminated in a row.

Current-Carrying Capacity Curve

Pin spacing: 2.5 mm / Conductor size: 0.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

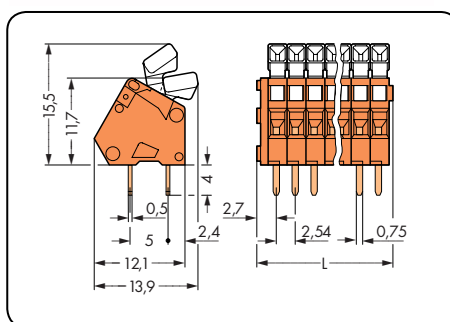
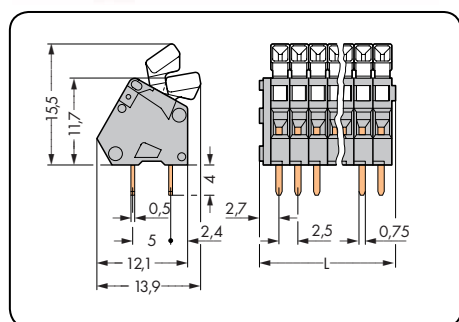
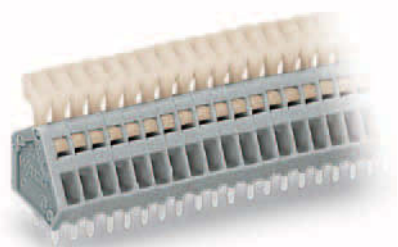


233 Series accessories:

Page:

Marking accessories	540 – 543
Operating tools	526 – 528

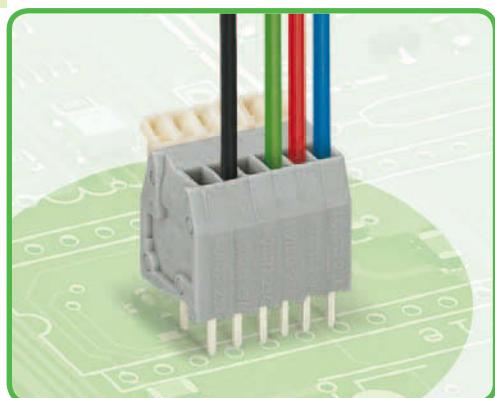
Pin spacing 2.5 mm / 0.098 in		Pin spacing 2.54 mm / 0.1 in	
0.08 – 0.5 mm ² 160 V/2.5 kV/2 6 A	AWG 28 – 20 150 V/4 A	0.08 – 0.5 mm ² 160 V/2.5 kV/2 6 A	AWG 28 – 20 150 V/4 A



L = (pole no. x pin spacing) + 2.3 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with push-buttons, 2 solder pins/pole, gray			Terminal strip with push-buttons, 2 solder pins/pole, orange		
2	233-202	600 (6 x 100)	2	233-502	600 (6 x 100)
3	233-203	500 (4 x 125)	3	233-503	500 (4 x 125)
4	233-204	400 (4 x 100)	4	233-504	400 (4 x 100)
5	233-205	340 (4 x 85)	5	233-505	340 (4 x 85)
6	233-206	280 (4 x 70)	6	233-506	280 (4 x 70)
7	233-207	240 (4 x 60)	7	233-507	240 (4 x 60)
8	233-208	220 (4 x 55)	8	233-508	220 (4 x 55)
9	233-209	200 (4 x 50)	9	233-509	200 (4 x 50)
10	233-210	180 (4 x 45)	10	233-510	180 (4 x 45)
12	233-212	140 (4 x 35)	12	233-512	140 (4 x 35)
16	233-216	100 (4 x 25)	16	233-516	100 (4 x 25)
24	233-224	80 (4 x 20)	24	233-524	80 (4 x 20)
Item No. Suffixes: Colored Terminal Strips, 2.5 mm Pin Spacing			Item No. Suffixes: Colored Terminal Strips, 2.54 mm Pin Spacing		
● light green	...-.../000-017		● yellow	...-.../000-002	
● red	...-.../000-005		● black	...-.../000-004	
● green	...-.../000-023		● red	...-.../000-005	
			● blue	...-.../000-006	
			● brown	...-.../000-014	
			● white	...-.../000-050	
Ordering example: Terminal strip, 2.5 mm pin spacing, 8-pole, green: 233-208/000-023			Ordering example: Terminal strip, 2.54 mm pin spacing, 8-pole, brown: 233-508/000-014		
(Production and prices depend on quantity required)			(Production and prices depend on quantity required)		

PCB Terminal Strips with Push-Buttons 0.5 mm² Pin Spacing 2.5 mm, 2.54 mm 234 Series



- Terminal strips with push-button actuated CAGE CLAMP®
- Double solder pins for high stability on the PCB
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Technical data:

Pin Spacing	2.5 mm 0.098 in			2.54 mm 0.1 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	63 V	160 V	320 V	63 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	
Nominal current	6 A	6 A	6 A	6 A	6 A	6 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	150 V	-	-	150 V	-	-	
Nominal current UL	4 A	-	-	4 A	-	-	
Nominal current CSA	4 A	-	-	4 A	-	-	

Conductor and solder pin data:

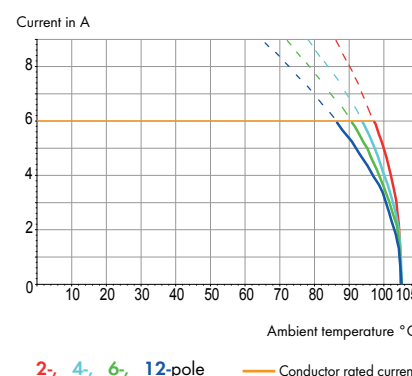
Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 0.5 mm ²
Conductor size: fine-stranded	0.08 – 0.5 mm ²
Conductor size: fine-stranded	0.25 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 mm ² (with uninsulated ferrule)
AWG	28 – 20
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	90° to PCB
Solder pin: length/width	4 mm / 0.5 x 0.75 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Current-Carrying Capacity Curve

Pin spacing: 2.5 mm / Conductor size: 0.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

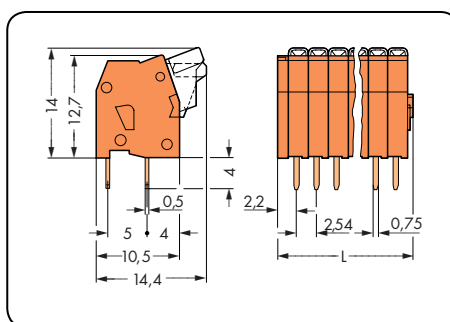
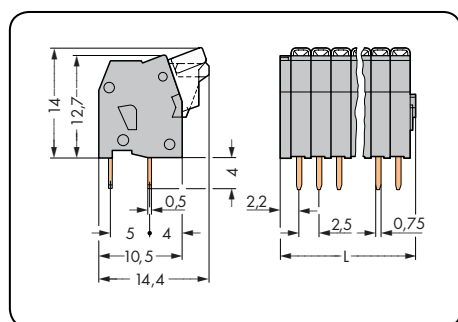
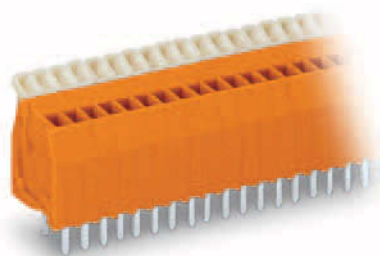
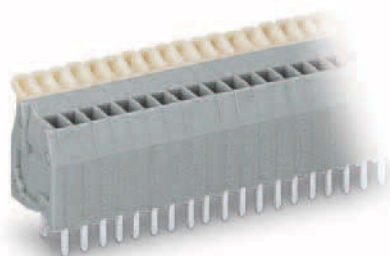


234 Series accessories:

Page:

Marking accessories	540 – 543
Operating tools	526 – 528

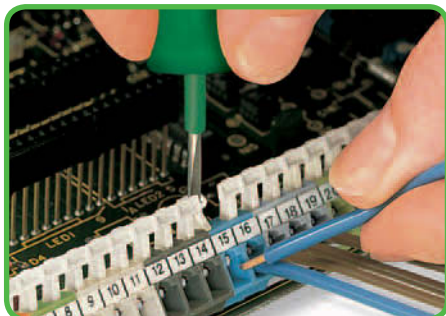
Pin spacing 2.5 mm / 0.098 in		Pin spacing 2.54 mm / 0.1 in	
0.08 – 0.5 mm ²	AWG 28 – 20	0.08 – 0.5 mm ²	AWG 28 – 20
160 V/2.5 kV/2 6 A	150 V/4 A	160 V/2.5 kV/2 6 A	150 V/4 A



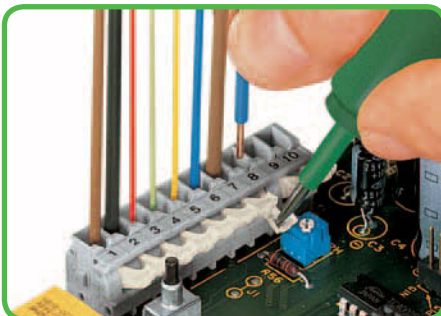
L = (pole no. x pin spacing) + 2.2 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with push-buttons, 2 solder pins/pole, gray			Terminal strip with push-buttons, 2 solder pins/pole, orange		
2	234-202	600 (6 x 100)	2	234-502	600 (6 x 100)
3	234-203	520 (4 x 130)	3	234-503	520 (4 x 130)
4	234-204	400 (4 x 100)	4	234-504	400 (4 x 100)
5	234-205	340 (4 x 85)	5	234-505	340 (4 x 85)
6	234-206	280 (4 x 70)	6	234-506	280 (4 x 70)
7	234-207	240 (4 x 60)	7	234-507	240 (4 x 60)
8	234-208	220 (4 x 55)	8	234-508	220 (4 x 55)
9	234-209	200 (4 x 50)	9	234-509	200 (4 x 50)
10	234-210	180 (4 x 45)	10	234-510	180 (4 x 45)
12	234-212	140 (4 x 35)	12	234-512	140 (4 x 35)
16	234-216	100 (4 x 25)	16	234-516	100 (4 x 25)
24	234-224	80 (4 x 20)	24	234-524	80 (4 x 20)
			Item No. Suffixes: Colored Terminal Strips, 2.54 mm Pin Spacing		
			yellow	...-.../000-002	
			red	...-.../000-005	
			blue	...-.../000-006	
			white	...-.../000-050	
			Ordering example:		
			Terminal strip, 2.54 mm pin spacing		
			8-pole, red: 234-508/000-005		
			(Production and prices depend on quantity required)		

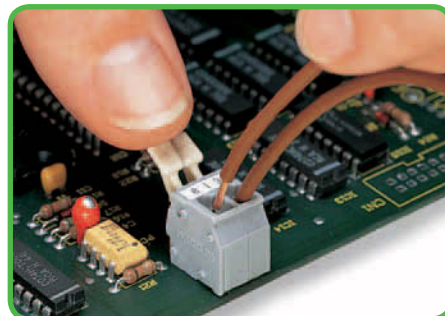
Description and Handling 255, 256, 257 and 2716 Series



Inserting/removing conductor via push-button – 256 Series.

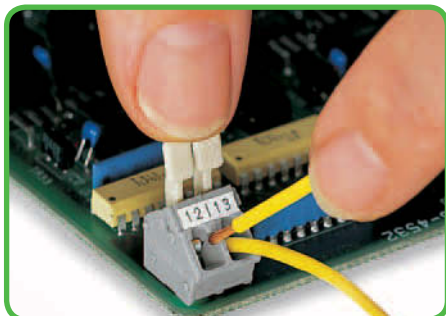


Inserting/removing conductor via push-button – 255 Series.



Inserting/removing conductor via finger-operated lever – 255 Series.

Finger-operated levers



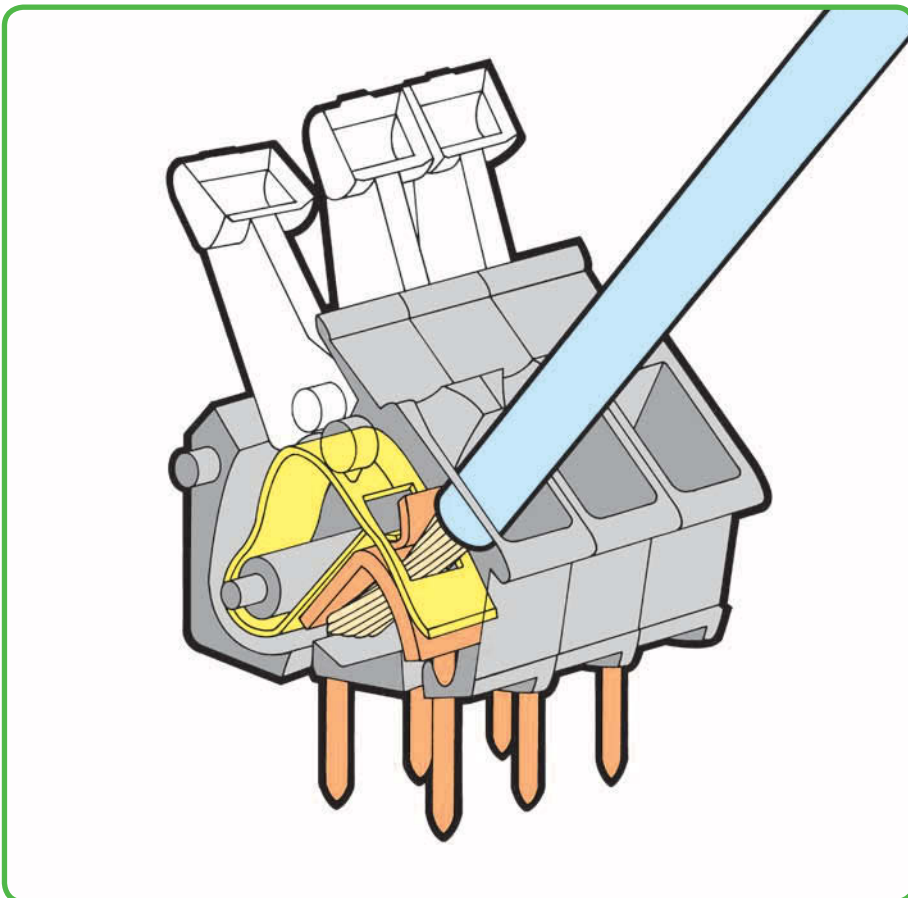
Inserting/removing conductor via finger-operated lever – 256 Series.

Pin spacing 2.5/2.54 mm

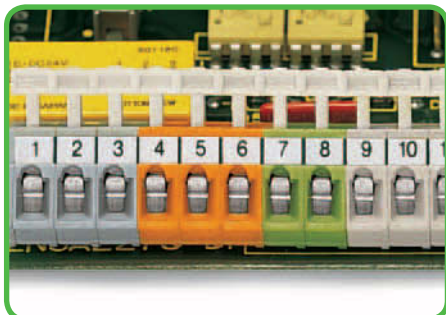


Possible conductor arrangement with terminal strips staggered (for 256 Series only).

255, 256 and 257 Series

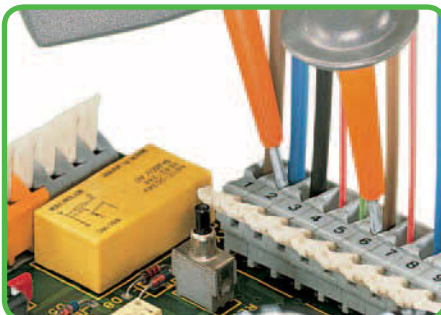


Formation of groups



Formation of groups using housings of different colors.

Testing



Testing with test probes.

Testing



Testing with test plug modules.



CAGE CLAMP® clamps the following copper conductors:*

solid



stranded

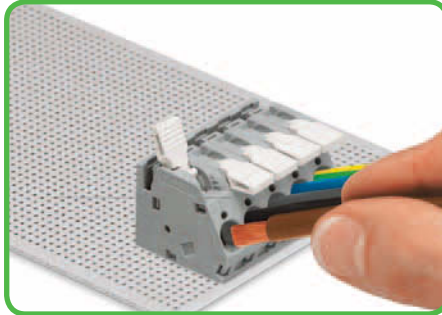


fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 11.

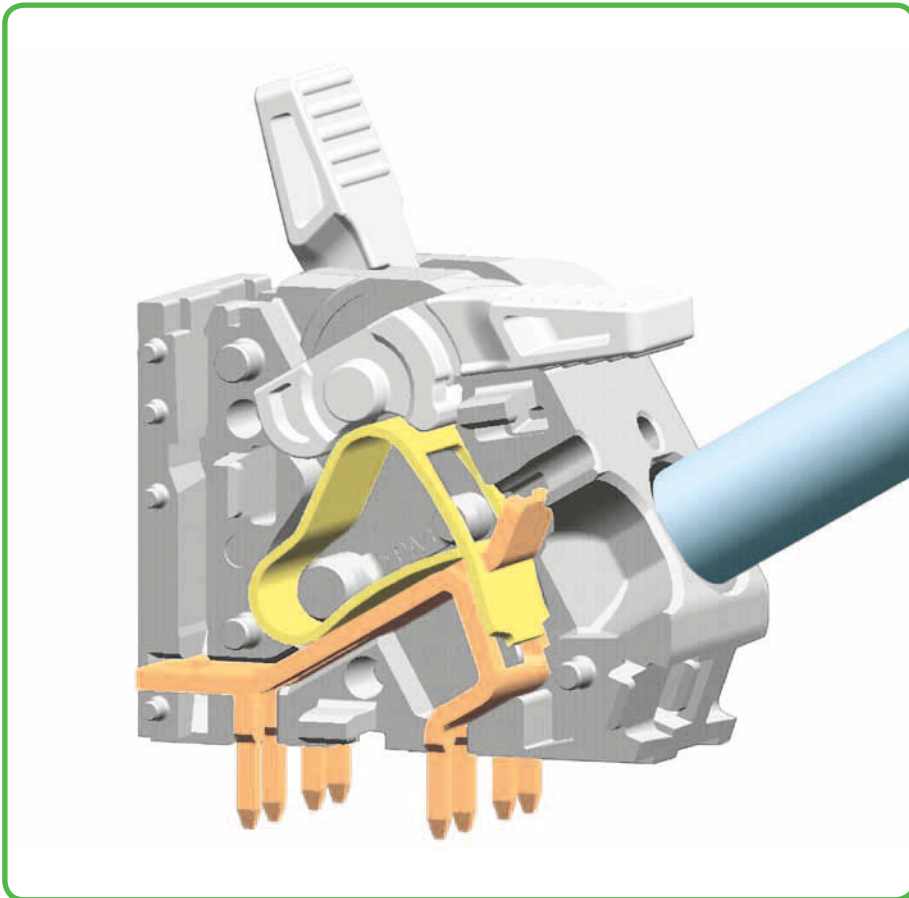


To open the clamping unit, pull the operating lever all the way back – 2716 Series

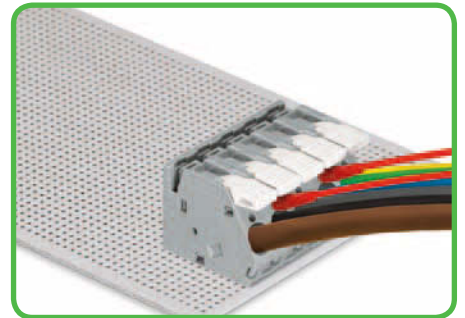


Inserting/removing conductor – 2716 Series.

2716 Series



Testing

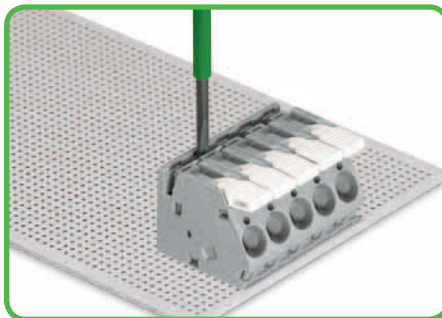


Testing with test plug – 2716 Series

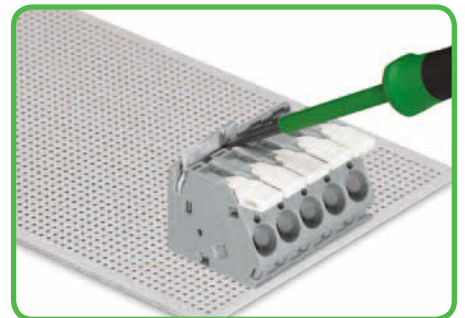
Commoning



Insert the comb-style jumper bar and ...



... push it down using a screwdriver until fully inserted – 2716 Series



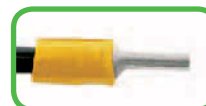
To remove the comb-style jumper bar, lift it up using a screwdriver – 2716 Series.



fine-stranded,
tip-bonded

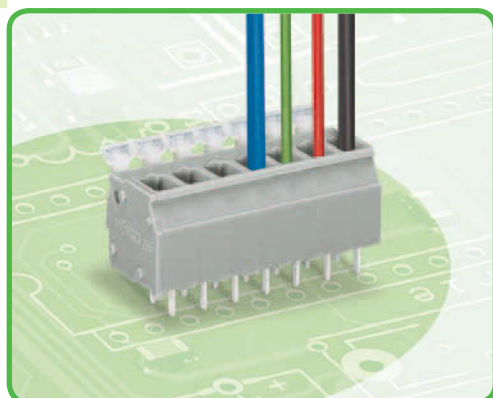


fine-stranded with
crimped ferrules
(gas-tight)



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

Modular PCB Terminal Blocks and Strips with Push-Buttons 2.5 mm² Pin Spacing 5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm 255 Series



- Modular terminal blocks and terminal strips with push-button actuated CAGE CLAMP® termination
-  version with Ex e (increased safety) approval
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Technical data:

Pin Spacing	5/5.08 mm 0.197/0.2 in			7.5/7.62 mm 0.295/0.3 in			10/10.16 mm 0.394/0.4 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	320 V	320 V	630 V	500 V	630 V	1000 V	630 V	1000 V	1000 V
Rated surge voltage	4 kV	4 kV	4 kV	6 kV	6 kV	6 kV	8 kV	8 kV	8 kV
Nominal current	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A
Approvals per	UL/CSA			UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Nominal current UL	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A
Nominal current CSA	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with uninsulated ferrule)
AWG	28 – 12 (12: THHN, THWN)
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	90° to PCB
Solder pin: length/width	4 mm / 0.7 x 0.7 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

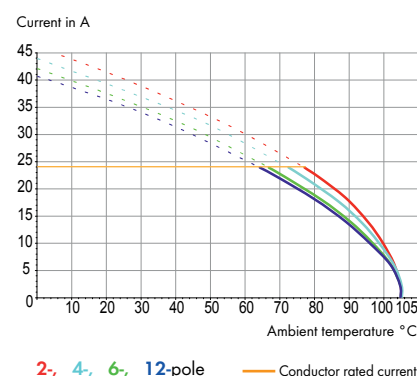
Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Technical data for Ex e II () versions:

Pin Spacing	5/5.08 mm 0.197/0.2 in	7.5/7.62 mm 0.295/0.3 in	10/10.16 mm 0.394/0.4 in
Rating per	ATEX: PTB 06 ATEX 1061 U IECEx: IECEx PTB 06.0042 U		
Rated voltage	275 V	352 V	550 V
Nominal current	16 A	16 A	16 A

Current-Carrying Capacity Curve

Pin spacing: 5 mm / Conductor size: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

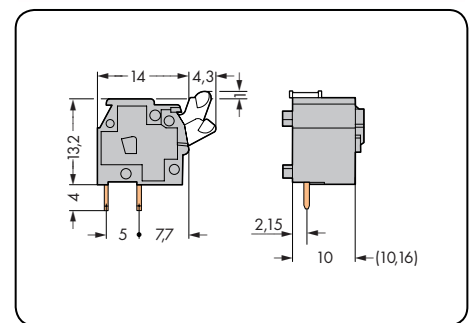
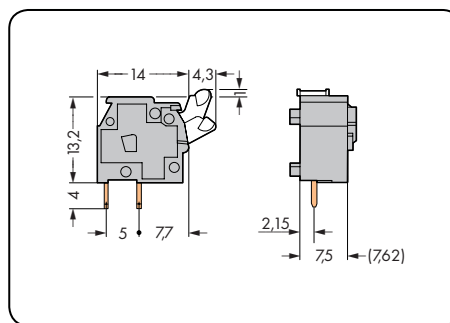
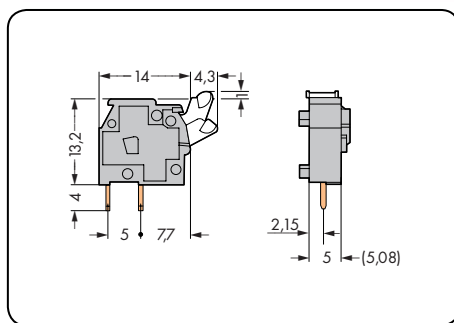


255 Series accessories:

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Commoning strips	67 – 69
Test plug adapter	196

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 1000 V/8 kV/2 24 A	AWG 28 – 12 300 V/10 A

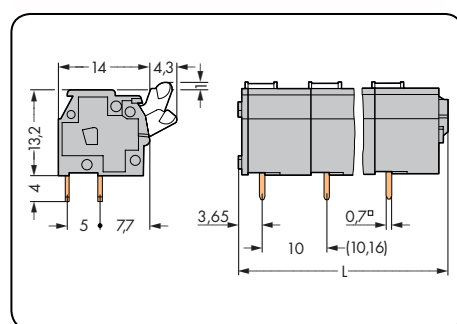
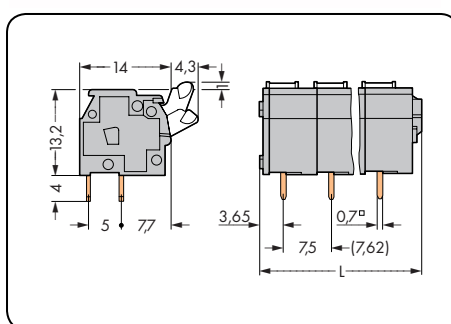
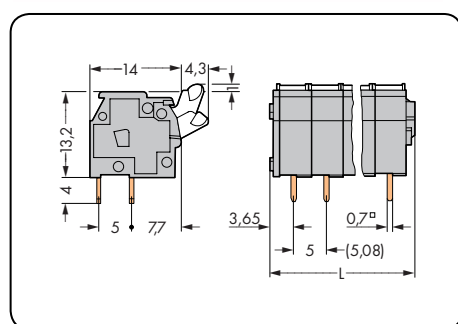
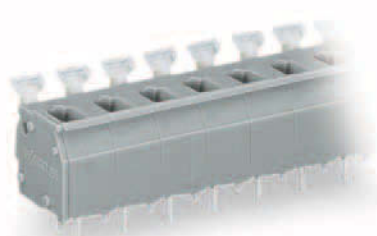


Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Modular terminal block with push-button, 2 solder pins/pole			Modular terminal block with push-button, 2 solder pins/pole			Modular terminal block with push-button, 2 solder pins/pole		
gray	255-401	500 (5 x 100)	gray	255-501	400 (4 x 100)	gray	255-601	300 (3 x 100)
red	255-740	500 (5 x 100)	red	255-750	400 (4 x 100)	red	255-760	300 (3 x 100)
yellow	255-741	500 (5 x 100)	yellow	255-751	400 (4 x 100)	yellow	255-761	300 (3 x 100)
dark gray	255-742	500 (5 x 100)	dark gray	255-752	400 (4 x 100)	dark gray	255-762	300 (3 x 100)
light gray	255-743	500 (5 x 100)	light gray	255-753	400 (4 x 100)	light gray	255-763	300 (3 x 100)
blue	255-744	500 (5 x 100)	blue	255-754	400 (4 x 100)	blue	255-764	300 (3 x 100)
orange	255-746	500 (5 x 100)	orange	255-756	400 (4 x 100)	orange	255-766	300 (3 x 100)
light green	255-747	500 (5 x 100)	light green	255-757	400 (4 x 100)	light green	255-767	300 (3 x 100)
black	255-748	500 (5 x 100)	black	255-758	400 (4 x 100)	black	255-768	300 (3 x 100)
Ex e II	255-743/999-950		Ex e II	255-753/999-950		Ex e II	255-763/999-950	
			Suitable for Ex i applications			Suitable for Ex i applications		
Product Accessories	Item No.	Pack. Unit	Product Accessories	Item No.	Pack. Unit	Product Accessories	Item No.	Pack. Unit
Spacer, doubles pin spacing 5/5.08 mm, gray			Spacer, doubles pin spacing 7.5/7.62 mm, gray			Spacer, doubles pin spacing 10/10.61 mm, gray		
	255-801	500 (5 x 100)		255-811	400 (4 x 100)		255-821	500 (5 x 100)

End plates for 255 Series, snap-on type, 1 mm/0.039 in thick		Color	Item No.	Pack. Unit
		gray	255-100	100
		dark gray	255-200	100
		light gray	255-300	100
		blue	255-400	100
		red	255-500	100
		orange	255-600	100
		light green	255-700	100
		black	255-800	100

PCB Terminal Strips with Push-Buttons 2.5 mm²

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 1000 V/8 kV/2 24 A	AWG 28 – 12 300 V/10 A



$L = (\text{pole no.} \times \text{pin spacing}) + 2.9 \text{ mm}$

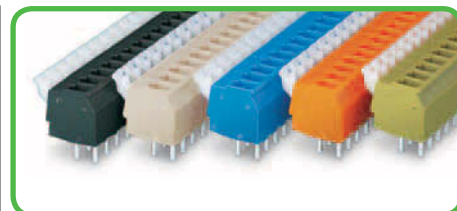
Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with push-buttons, 2 solder pins/pole, gray			Terminal strip with push-buttons, 2 solder pins/pole, gray			Terminal strip with push-buttons, 2 solder pins/pole, gray		
2	255-402	400 (4 x 100)	2	255-502	280 (4 x 70)	2	255-602	200 (4 x 50)
3	255-403	280 (4 x 70)	3	255-503	180 (4 x 45)	3	255-603	140 (4 x 35)
4	255-404	200 (4 x 50)	4	255-504	140 (4 x 35)	4	255-604	100 (4 x 25)
5	255-405	160 (4 x 40)	5	255-505	120 (4 x 30)	5	255-605	80 (4 x 20)
6	255-406	140 (4 x 35)	6	255-506	100 (4 x 25)	6	255-606	60 (4 x 15)
7	255-407	120 (4 x 30)	7	255-507	80 (4 x 20)	7	255-607	60 (4 x 15)
8	255-408	100 (4 x 25)	8	255-508	60 (4 x 15)	8	255-608	60 (4 x 15)
9	255-409	100 (4 x 25)	9	255-509	60 (4 x 15)	9	255-609	40 (4 x 10)
10	255-410	80 (4 x 20)	10	255-510	60 (4 x 15)	10	255-610	40 (4 x 10)
12	255-412	60 (4 x 15)	12	255-512	40 (4 x 10)	12	255-612	40 (4 x 10)
16	255-416	60 (4 x 15)	16	255-516	40 (4 x 10)	16	255-616	20 (4 x 5)
24	255-424	40 (4 x 10)	24	255-524	20 (4 x 5)	24	255-624	20 (4 x 5)
36	255-436	20 (4 x 5)						
48	255-448	20 (4 x 5)						

Item no. suffixes for Ex e II and Ex i applications:

○ Ex e II	/000-009/999-950	Ordering example: Terminal strip, 10/10.16 mm pin spacing, 10-pole, Ex e II: 255-610/000-009/999-950
● Ex i	/000-006 (only for 7.5/7.62 mm and 10/10.16 mm pin spacing)	

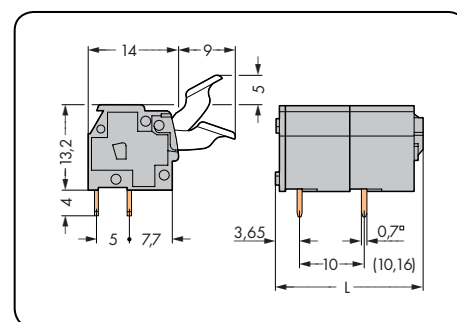
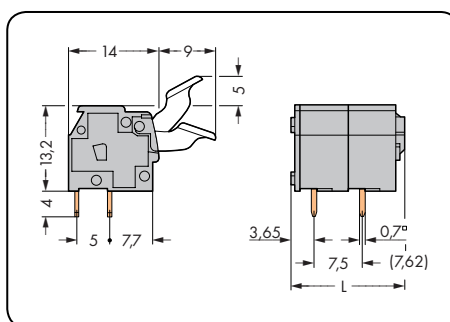
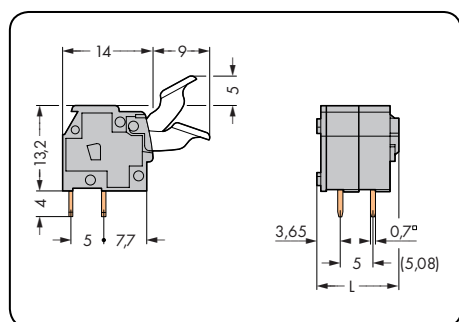
Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● red	/000-005	Ordering example: Terminal strip, 5/5.08 mm pin spacing, 8-pole, orange: 255-408/000-012
● blue	/000-006	
● dark gray	/000-008	
● light gray	/000-009	
● orange	/000-012	
● light green	/000-017	



Please contact factory for other lengths, colors, mixed-color terminal strips, or direct marking.

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 1000 V/8 kV/2 24 A	AWG 28 – 12 300 V/10 A



L = (pole no. x pin spacing) + 2.9 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with finger-operated levers, 2 solder pins/pole, gray			Terminal strip with finger-operated levers, 2 solder pins/pole, gray			Terminal strip with finger-operated levers, 2 solder pins/pole, gray		
2	255-402/333-000	400 (4 x 100)	2	255-502/333-000	280 (4 x 70)	2	255-602/333-000	200 (4 x 50)
3	255-403/333-000	280 (4 x 70)	3	255-503/333-000	180 (4 x 45)	3	255-603/333-000	140 (4 x 35)
4	255-404/333-000	200 (4 x 50)	4	255-504/333-000	140 (4 x 35)	4	255-604/333-000	100 (4 x 25)
5	255-405/333-000	160 (4 x 40)	5	255-505/333-000	120 (4 x 30)	5	255-605/333-000	80 (4 x 20)
6	255-406/333-000	140 (4 x 35)	6	255-506/333-000	100 (4 x 25)	6	255-606/333-000	60 (4 x 15)
7	255-407/333-000	120 (4 x 30)	7	255-507/333-000	80 (4 x 20)	7	255-607/333-000	60 (4 x 15)
8	255-408/333-000	100 (4 x 25)	8	255-508/333-000	60 (4 x 15)	8	255-608/333-000	60 (4 x 15)
9	255-409/333-000	100 (4 x 25)	9	255-509/333-000	60 (4 x 15)	9	255-609/333-000	40 (4 x 10)
10	255-410/333-000	80 (4 x 20)	10	255-510/333-000	60 (4 x 15)	10	255-610/333-000	40 (4 x 10)
12	255-412/333-000	60 (4 x 15)	12	255-512/333-000	40 (4 x 10)	12	255-612/333-000	40 (4 x 10)
16	255-416/333-000	60 (4 x 15)	16	255-516/333-000	40 (4 x 10)	16	255-616/333-000	20 (4 x 5)
24	255-424/333-000	40 (4 x 10)	24	255-524/333-000	20 (4 x 5)	24	255-624/333-000	20 (4 x 5)
Note: For lengths greater than 3 poles (5/5.08 mm pin spacing), finger lever operation for the center levers may not be possible due to finger size/spacing limitations.								

Item no. suffixes for Ex e II and Ex i applications:

○ Ex e II	.../333-009/999-950	Ordering example: Terminal strip, 10/10.16 mm pin spacing, 10-pole, Ex e II: 255-610/333-009/999-950
● Ex i	.../333-006 (only for 7.5/7.62 mm and 10/10.16 mm pin spacing)	

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● red	.../333-005	Ordering example: Terminal strip, 5/5.08 mm pin spacing, 2-pole, orange: 255-402/333-012
● blue	.../333-006	
● dark gray	.../333-008	
○ light gray	.../333-009	
● orange	.../333-012	
● light green	.../333-017	



Please contact factory for other lengths, colors, mixed-color terminal strips, or direct marking.

Modular PCB Terminal Blocks and Strips with Push-Buttons 2.5 mm²

Pin Spacing 5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm

256 Series



- Modular terminal blocks and terminal strips with push-button actuated CAGE CLAMP® termination
-  version with Ex e (increased safety) approval
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Technical data:

Pin Spacing	5/5.08 mm 0.197/0.2 in			7.5/7.62 mm 0.295/0.3 in			10/10.16 mm 0.394/0.4 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	250 V	320 V	630 V	320 V	320 V	630 V	500 V	630 V	1000 V
Rated surge voltage	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	6 kV	6 kV	6 kV
Nominal current	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A
Approvals per	UL/CSA			UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Nominal current UL	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A
Nominal current CSA	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with uninsulated ferrule)
AWG	28 – 12 (12: THHN, THWN)
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	45° to PCB
Solder pin: length/width	4 (3.6; 5.5) mm / 0.7 x 0.7 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

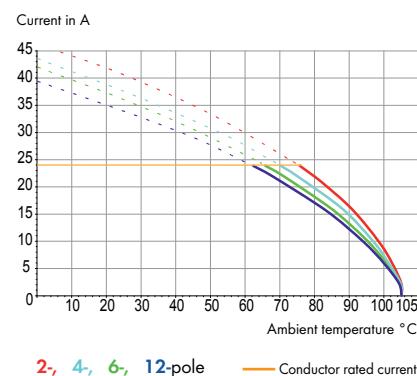
Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Technical data for Ex e II () versions:

Pin Spacing	5/5.08 mm 0.197/0.2 in	7.5/7.62 mm 0.295/0.3 in	10/10.16 mm 0.394/0.4 in
Rating per	ATEX: PTB 06 ATEX 1061 U IECEx: IECEx PTB 06.0042 U		
Rated voltage	176 V	275 V	352 V
Nominal current	16 A	16 A	16 A

Current-Carrying Capacity Curve

Pin spacing: 5 mm / Conductor size: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

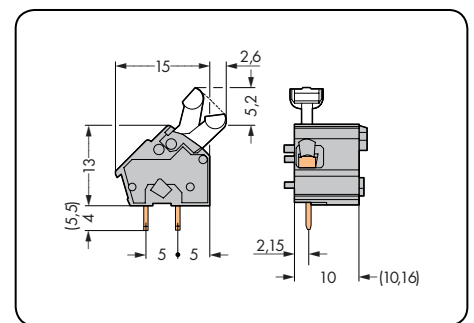
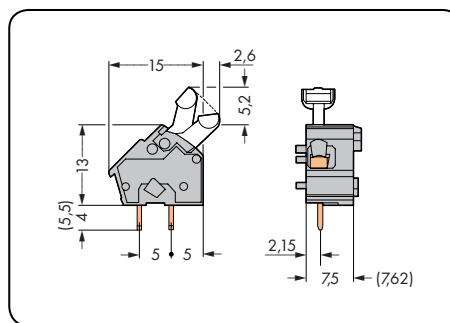
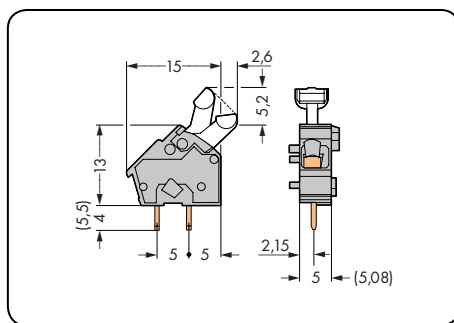


256 Series accessories:

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Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A

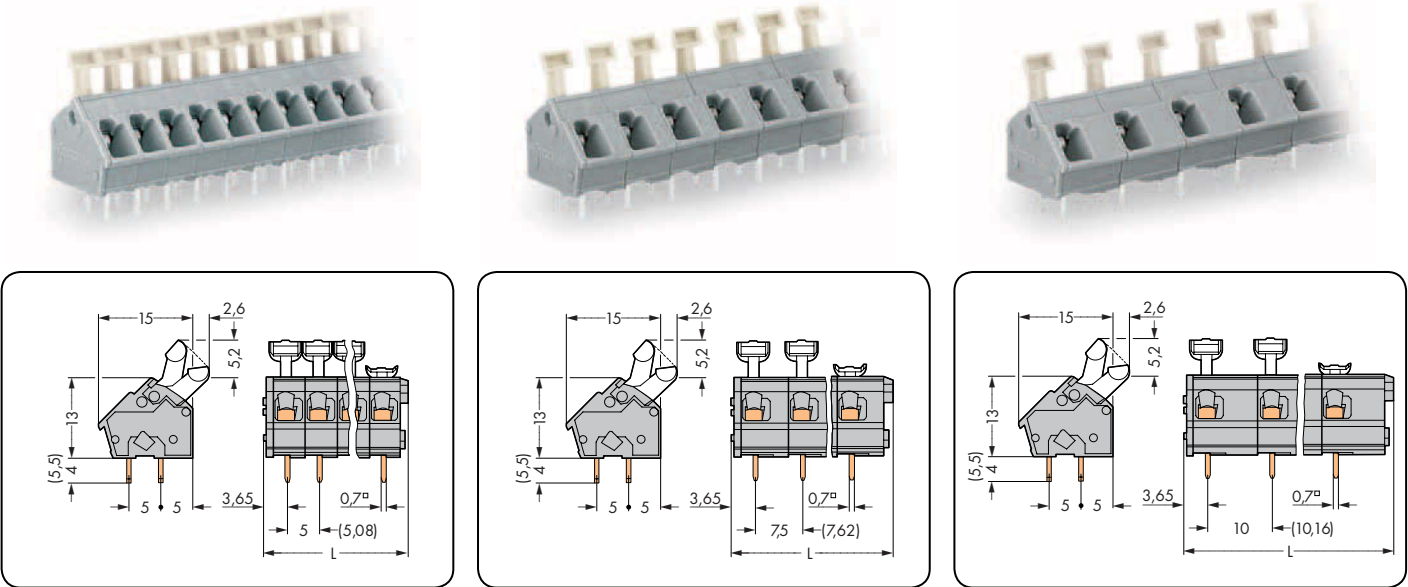


Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Modular terminal block with push-button, 2 solder pins/pole			Modular terminal block with push-button, 2 solder pins/pole			Modular terminal block with push-button, 2 solder pins/pole		
 gray	256-401	600 (6 x 100)	 gray	256-501	400 (4 x 100)	 gray	256-601	300 (3 x 100)
 red	256-740	600 (6 x 100)	 red	256-750	400 (4 x 100)	 red	256-760	300 (3 x 100)
 dark gray	256-742	600 (6 x 100)	 dark gray	256-752	400 (4 x 100)	 dark gray	256-762	300 (3 x 100)
 light gray	256-743	600 (6 x 100)	 light gray	256-753	400 (4 x 100)	 light gray	256-763	300 (3 x 100)
 blue	256-744	600 (6 x 100)	 blue	256-754	400 (4 x 100)	 blue	256-764	300 (3 x 100)
 orange	256-746	600 (6 x 100)	 orange	256-756	400 (4 x 100)	 orange	256-766	300 (3 x 100)
 light green	256-747	600 (6 x 100)	 light green	256-757	400 (4 x 100)	 light green	256-767	300 (3 x 100)
 Ex e II	256-743/999-950		 Ex e II	256-753/999-950		 Ex e II	256-763/999-950	
			 Suitable for Ex i applications			 Suitable for Ex i applications		
Item no. suffix for modular terminal blocks with 5.5 mm long solder pins: /332-000								
Item no. suffix for modular terminal blocks with 3.6 mm long solder pins: /334-000								

End plates for 256 Series,		Color	Item No.	Pack. Unit
snap-on type, 1 mm/0.039 in thick		gray	256-100	100
		dark gray	256-200	100
		light gray	256-300	100
		blue	256-400	100
		red	256-500	100
		orange	256-600	100
		light green	256-700	100
		black	256-800	100

PCB Terminal Strips with Push-Buttons 2.5 mm²

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm²	AWG 28 – 12	0.08 – 2.5 mm²	AWG 28 – 12	0.08 – 2.5 mm²	AWG 28 – 12
320 V/4 kV/2 24 A	300 V/10 A	320 V/4 kV/2 24 A	300 V/10 A	630 V/6 kV/2 24 A	300 V/10 A



L = (pole no. x pin spacing) + 2.9 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with push-buttons, 2 solder pins/pole, gray			Terminal strip with push-buttons, 2 solder pins/pole, gray			Terminal strip with push-buttons, 2 solder pins/pole, gray		
2	256-402	400 (4 x 100)	2	256-502	280 (4 x 70)	2	256-602	200 (4 x 50)
3	256-403	280 (4 x 70)	3	256-503	180 (4 x 45)	3	256-603	140 (4 x 35)
4	256-404	200 (4 x 50)	4	256-504	140 (4 x 35)	4	256-604	100 (4 x 25)
5	256-405	160 (4 x 40)	5	256-505	120 (4 x 30)	5	256-605	80 (4 x 20)
6	256-406	140 (4 x 35)	6	256-506	100 (4 x 25)	6	256-606	60 (4 x 15)
7	256-407	120 (4 x 30)	7	256-507	80 (4 x 20)	7	256-607	60 (4 x 15)
8	256-408	100 (4 x 25)	8	256-508	60 (4 x 15)	8	256-608	60 (4 x 15)
9	256-409	100 (4 x 25)	9	256-509	60 (4 x 15)	9	256-609	40 (4 x 10)
10	256-410	80 (4 x 20)	10	256-510	60 (4 x 15)	10	256-610	40 (4 x 10)
12	256-412	60 (4 x 15)	12	256-512	40 (4 x 10)	12	256-612	40 (4 x 10)
16	256-416	60 (4 x 15)	16	256-516	40 (4 x 10)	16	256-616	20 (4 x 5)
24	256-424	40 (4 x 10)	24	256-524	20 (4 x 5)	24	256-624	20 (4 x 5)
36	256-436	20 (4 x 5)						
48	256-448	20 (4 x 5)						
Item no. suffix for terminal strips with 5.5 mm long solder pins: .../332-000								
Item no. suffix for terminal strips with 3.6 mm long solder pins: .../334-000								

Item no. suffixes for Ex e II and Ex i applications:

○ Ex e II	.../000-009/999-950	Ordering example: Terminal strip, 10/10.16 mm pin spacing, 10-pole, Ex e II: 256-610/000-009/999-950
● Ex i	.../000-006 (only for 7.5/7.62 mm and 10/10.16 mm pin spacing)	

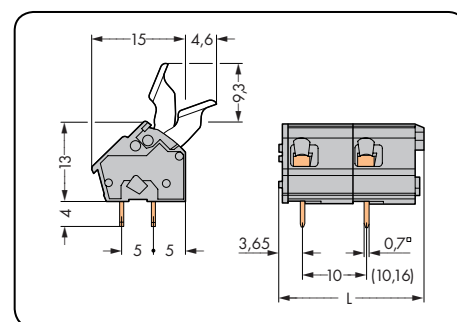
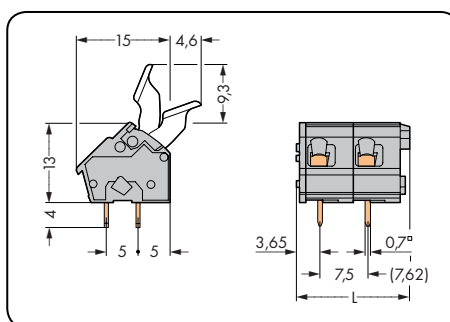
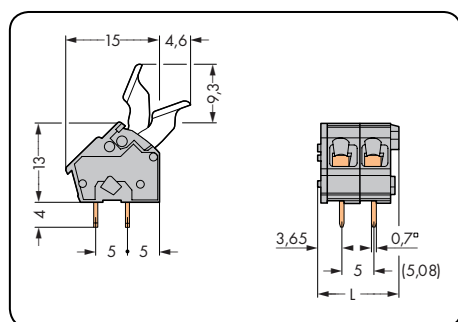
Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● red	.../000-005	Ordering example: Terminal strip, 5/5.08 mm pin spacing, 8-pole, orange: 256-408/000-012
● blue	.../000-006	
● dark gray	.../000-008	
○ light gray	.../000-009	
● orange	.../000-012	
● light green	.../000-017	



Please contact factory for other lengths, colors, mixed-color terminal strips, or direct marking.

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A



L = (pole no. x pin spacing) + 2.9 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with finger-operated levers, 2 solder pins/pole, gray			Terminal strip with finger-operated levers, 2 solder pins/pole, gray			Terminal strip with finger-operated levers, 2 solder pins/pole, gray		
2	256-402/333-000	400 (4 x 100)	2	256-502/333-000	280 (4 x 70)	2	256-602/333-000	200 (4 x 50)
3	256-403/333-000	280 (4 x 70)	3	256-503/333-000	180 (4 x 45)	3	256-603/333-000	140 (4 x 35)
4	256-404/333-000	200 (4 x 50)	4	256-504/333-000	140 (4 x 35)	4	256-604/333-000	100 (4 x 25)
5	256-405/333-000	160 (4 x 40)	5	256-505/333-000	120 (4 x 30)	5	256-605/333-000	80 (4 x 20)
6	256-406/333-000	140 (4 x 35)	6	256-506/333-000	100 (4 x 25)	6	256-606/333-000	60 (4 x 15)
7	256-407/333-000	120 (4 x 30)	7	256-507/333-000	80 (4 x 20)	7	256-607/333-000	60 (4 x 15)
8	256-408/333-000	100 (4 x 25)	8	256-508/333-000	60 (4 x 15)	8	256-608/333-000	60 (4 x 15)
9	256-409/333-000	100 (4 x 25)	9	256-509/333-000	60 (4 x 15)	9	256-609/333-000	40 (4 x 10)
10	256-410/333-000	80 (4 x 20)	10	256-510/333-000	60 (4 x 15)	10	256-610/333-000	40 (4 x 10)
12	256-412/333-000	60 (4 x 15)	12	256-512/333-000	40 (4 x 10)	12	256-612/333-000	40 (4 x 10)
16	256-416/333-000	60 (4 x 15)	16	256-516/333-000	40 (4 x 10)	16	256-616/333-000	20 (4 x 5)
24	256-424/333-000	40 (4 x 10)	24	256-524/333-000	20 (4 x 5)	24	256-624/333-000	20 (4 x 5)
Note: For lengths greater than 3 poles (5/5.08 mm pin spacing), finger lever operation for the center levers may not be possible due to finger size/spacing limitations.								

Item no. suffixes for Ex e II and Ex i applications:

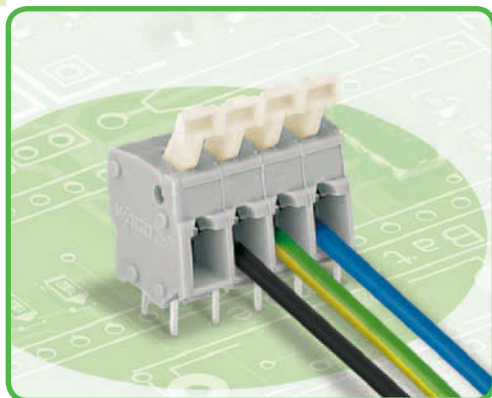
Ex e II	/333-009/999-950	Ordering example: Terminal strip, 10/10.16 mm pin spacing, 10-pole, Ex e II: 256-610/333-009/999-950
Ex i	/333-006 (only for 10/10.16 mm pin spacing)	

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

red	/333-005	Ordering example: Terminal strip, 5/5.08 mm pin spacing, 2-pole, orange: 256-402/333-012
blue	/333-006	
dark gray	/333-008	
light gray	/333-009	
orange	/333-012	
light green	/333-017	



Modular PCB Terminal Blocks and Strips with Push-Buttons 2.5 mm² Pin Spacing 5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm 257 Series



- Modular terminal blocks and terminal strips with push-button actuated CAGE CLAMP®
- versions with Ex e (increased safety) approval
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation
- Versions with angled push-buttons for simple top-of-unit actuation

Technical data:

Pin Spacing	5/5.08 mm 0.2 in			7.5/7.62 mm 0.3 in			10/10.16 mm 0.4 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	250 V	320 V	630 V	400 V	630 V	1000 V	630 V	1000 V	1000 V
Rated surge voltage	4 kV	4 kV	4 kV	6 kV	6 kV	6 kV	8 kV	8 kV	8 kV
Nominal current	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A
Approvals per	UL/CSA			UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Nominal current UL	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A
Nominal current CSA	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with uninsulated ferrule)
AWG	28 – 12 (12: THHN, THWN)
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	0° to PCB
Solder pin: length/width	4 mm / 0.7 x 0.7 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

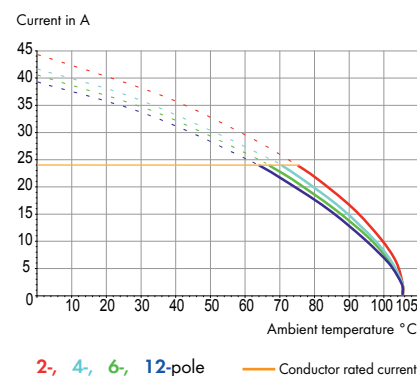
Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Technical data for Ex e II () versions:

Pin Spacing	5/5.08 mm 0.2 in	7.5/7.62 mm 0.3 in	10/10.16 mm 0.4 in
Rating per	ATEX: PTB 06 ATEX 1061 U IECEx: IECEx PTB 06.0042 U		
Rated voltage	176 V	275 V	440 V
Nominal current	16 A	16 A	16 A

Current-Carrying Capacity Curve

Pin spacing: 5 mm / Conductor size: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

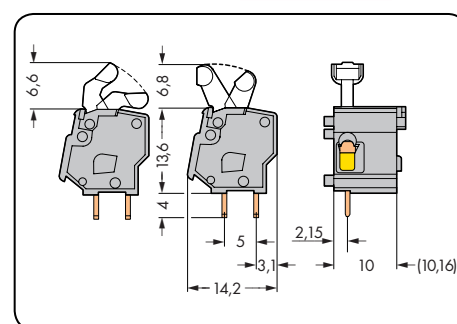
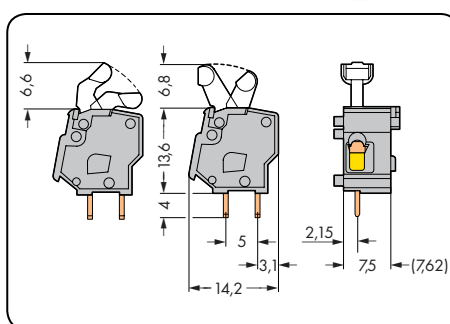
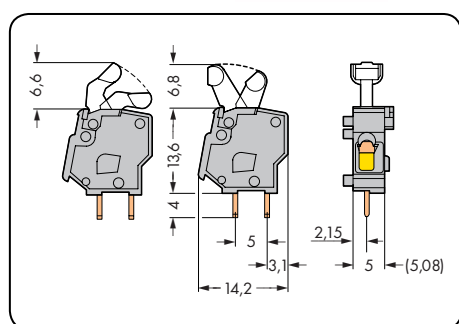


257 Series accessories:

Page:

Marking accessories	540 – 543
Operating tools	526 – 528
Commoning strips	67 – 69
Test plug adapter	196

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 1000 V/8 kV/2 24 A	AWG 28 – 12 300 V/10 A



Color	Item No.	Item No.	Pack. Unit	Color	Item No.	Item No.	Pack. Unit	Color	Item No.	Item No.	Pack. Unit
Modular terminal block with push-button, 2 solder pins/pole				Modular terminal block with push-button, 2 solder pins/pole				Modular terminal block with push-button, 2 solder pins/pole			
	Angled push-button	Straight push-button			Angled push-button	Straight push-button			Angled push-button	Straight push-button	
gray	257-451	257-401	500 (5 x 100)	gray	257-551	257-501	400 (4 x 100)	gray	257-651	257-601	300 (3 x 100)
red	257-840	257-740	500 (5 x 100)	red	257-850	257-750	400 (4 x 100)	red	257-860	257-760	300 (3 x 100)
dark gray	257-842	257-742	500 (5 x 100)	dark gray	257-852	257-752	400 (4 x 100)	dark gray	257-862	257-762	300 (3 x 100)
light gray	257-843	257-743	500 (5 x 100)	light gray	257-853	257-753	400 (4 x 100)	light gray	257-863	257-763	300 (3 x 100)
blue	257-844	257-744	500 (5 x 100)	blue	257-854	257-754	400 (4 x 100)	blue	257-864	257-764	300 (3 x 100)
orange	257-846	257-746	500 (5 x 100)	orange	257-856	257-756	400 (4 x 100)	orange	257-866	257-766	300 (3 x 100)
light green	257-847	257-747	500 (5 x 100)	light green	257-857	257-757	400 (4 x 100)	light green	257-867	257-767	300 (3 x 100)
Ex e II	257-843/999-950			Ex e II	257-853/999-950			Ex e II	257-863/999-950		
				1 Suitable for Ex i applications				1 Suitable for Ex i applications			
Product Accessories	Item No.	Pack. Unit		Product Accessories	Item No.	Pack. Unit		Product Accessories	Item No.	Pack. Unit	
Spacer for doubling the pin spacing 5/5.08 mm, gray				Spacer for doubling the pin spacing 7.5/7.62 mm, gray				Spacer for doubling the pin spacing 10/10.16 mm, gray			
	257-801	500 (5 x 100)			257-811	400 (4 x 100)			257-821	300 (3 x 100)	

End plates for 257 Series,

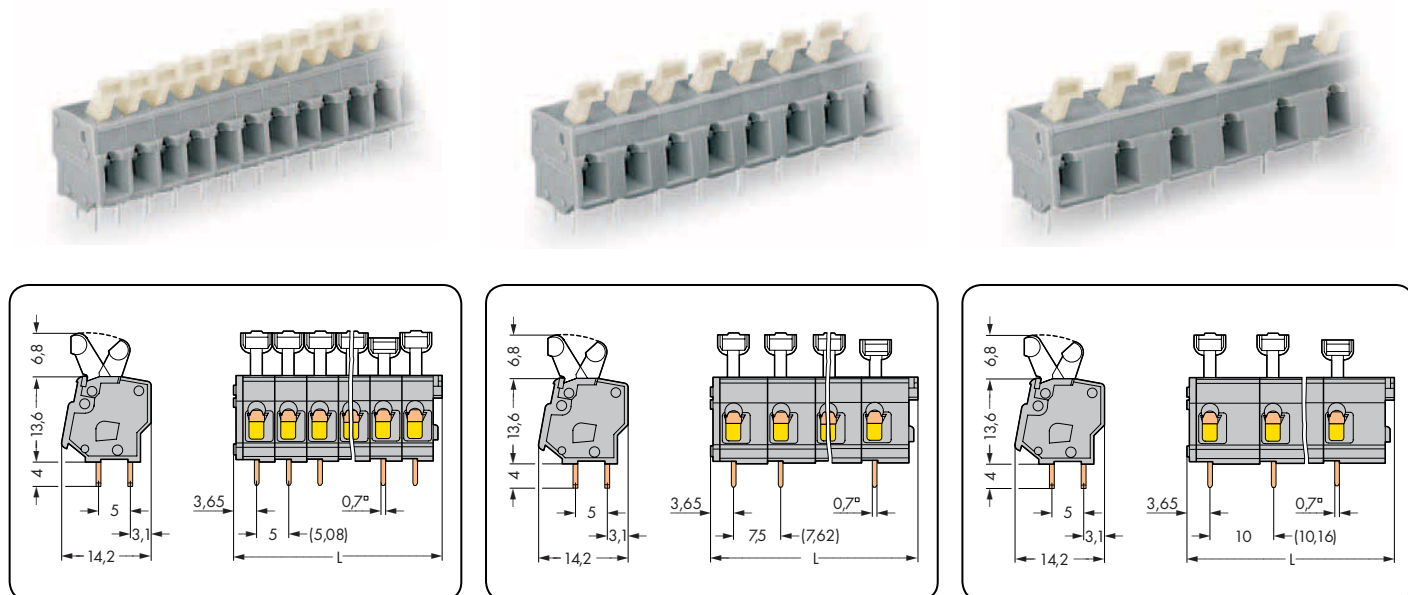
snap-on type,
1 mm/0.039 in thick



Color	Item No.	Pack. Unit
gray	257-100	100
dark gray	257-200	100
light gray	257-300	100
blue	257-400	100
red	257-500	100
orange	257-600	100
light green	257-700	100

PCB Terminal Strips with Push-Buttons 2.5 mm²

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 1000 V/8 kV/2 24 A	AWG 28 – 12 300 V/10 A



L = (pole no. x pin spacing) + 2.9 mm Dimensions for angled push-buttons, see page 103

Pole No.	Item No.	Item No.	Pack. Unit	Pole No.	Item No.	Item No.	Pack. Unit	Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip with push-buttons, 2 solder pins/pole, gray				Terminal strip with push-buttons, 2 solder pins/pole, gray				Terminal strip with push-buttons, 2 solder pins/pole, gray			
Angled push-button	Straight push-button			Angled push-button	Straight push-button			Angled push-button	Straight push-button		
2	257-452	257-402	400 (4 x 100)	2	257-552	257-502	280 (4 x 70)	2	257-652	257-602	200 (4 x 50)
3	257-453	257-403	280 (4 x 70)	3	257-553	257-503	200 (4 x 50)	3	257-653	257-603	140 (4 x 35)
4	257-454	257-404	220 (4 x 55)	4	257-554	257-504	140 (4 x 35)	4	257-654	257-604	100 (4 x 25)
5	257-455	257-405	180 (4 x 45)	5	257-555	257-505	120 (4 x 30)	5	257-655	257-605	80 (4 x 20)
6	257-456	257-406	140 (4 x 35)	6	257-556	257-506	100 (4 x 25)	6	257-656	257-606	80 (4 x 20)
7	257-457	257-407	120 (4 x 30)	7	257-557	257-507	80 (4 x 20)	7	257-657	257-607	60 (4 x 15)
8	257-458	257-408	100 (4 x 25)	8	257-558	257-508	80 (4 x 20)	8	257-658	257-608	60 (4 x 15)
9	257-459	257-409	100 (4 x 25)	9	257-559	257-509	60 (4 x 15)	9	257-659	257-609	40 (4 x 10)
10	257-460	257-410	80 (4 x 20)	10	257-560	257-510	60 (4 x 15)	10	257-660	257-610	40 (4 x 10)
12	257-462	257-412	80 (4 x 20)	12	257-562	257-512	40 (4 x 10)	12	257-662	257-612	40 (4 x 10)
16	257-466	257-416	60 (4 x 15)	16	257-566	257-516	40 (4 x 10)	16	257-666	257-616	20 (4 x 5)
24	257-474	257-424	40 (4 x 10)	24	257-574	257-524	20 (4 x 5)	24	257-674	257-624	20 (4 x 5)
36	257-486	257-436	20 (4 x 5)								
48	257-498	257-448	20 (4 x 5)								

Item no. suffixes for Ex e II and Ex i applications:

- Ex e IIEx e II ... /000-009/999-950
- Ex i ... /000-006 (only for 10/10.16 mm pin spacing)

Ordering example:

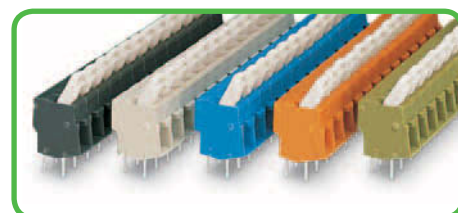
Terminal strip, 10/10.16 mm pin spacing,
10-pole, Ex e II: **257-660/000-009/999-950**

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

- red ... /000-005
- blue ... /000-006
- dark gray ... /000-008
- light gray ... /000-009
- orange ... /000-012
- light green ... /000-017

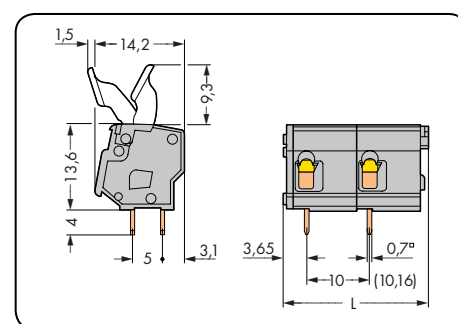
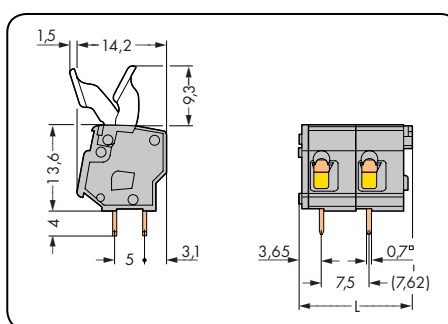
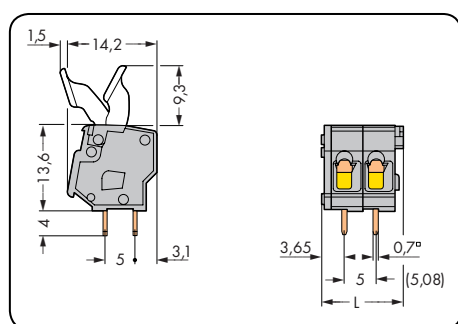
Ordering example:

Terminal strip, 5/5.08 mm pin spacing
8-pole, orange: **257-408/000-012**



Please contact factory for other lengths, colors, mixed-color terminal strips, or direct marking.

Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 1000 V/8 kV/2 24 A	AWG 28 – 12 300 V/10 A



L = (pole no. x pin spacing) + 2.9 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with finger-operated levers, 2 solder pins/pole, gray			Terminal strip with finger-operated levers, 2 solder pins/pole, gray			Terminal strip with finger-operated levers, 2 solder pins/pole, gray		
2	257-402/333-000	400 (4 x 100)	2	257-502/333-000	280 (4 x 70)	2	257-602/333-000	200 (4 x 50)
3	257-403/333-000	280 (4 x 70)	3	257-503/333-000	200 (4 x 50)	3	257-603/333-000	140 (4 x 35)
4	257-404/333-000	220 (4 x 55)	4	257-504/333-000	140 (4 x 35)	4	257-604/333-000	100 (4 x 25)
5	257-405/333-000	180 (4 x 45)	5	257-505/333-000	120 (4 x 30)	5	257-605/333-000	80 (4 x 20)
6	257-406/333-000	140 (4 x 35)	6	257-506/333-000	100 (4 x 25)	6	257-606/333-000	80 (4 x 20)
7	257-407/333-000	120 (4 x 30)	7	257-507/333-000	80 (4 x 20)	7	257-607/333-000	60 (4 x 15)
8	257-408/333-000	100 (4 x 25)	8	257-508/333-000	80 (4 x 20)	8	257-608/333-000	60 (4 x 15)
9	257-409/333-000	100 (4 x 25)	9	257-509/333-000	60 (4 x 15)	9	257-609/333-000	40 (4 x 10)
10	257-410/333-000	80 (4 x 20)	10	257-510/333-000	60 (4 x 15)	10	257-610/333-000	40 (4 x 10)
12	257-412/333-000	80 (4 x 20)	12	257-512/333-000	40 (4 x 10)	12	257-612/333-000	40 (4 x 10)
16	257-416/333-000	60 (4 x 15)	16	257-516/333-000	40 (4 x 10)	16	257-616/333-000	20 (4 x 5)
24	257-424/333-000	40 (4 x 10)	24	257-524/333-000	20 (4 x 5)	24	257-624/333-000	20 (4 x 5)
Note: For lengths greater than 3 poles (5/5.08 mm pin spacing), finger lever operation for center levers may not be possible due to finger size/spacing limitations.								

Item no. suffixes for Ex e II and Ex i applications:

Ex e II	.../333-009/999-950	Ordering example: Terminal strip, 10/10.16 mm pin spacing; 10-pole, Ex e II: 257-610/333-009/999-950
Ex i	.../333-006 (only for 10/10.16 mm pin spacing)	

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

red	.../333-005	Ordering example: Terminal strip, 5/5.08 mm pin spacing 2-pole, orange: 257-402/333-012
blue	.../333-006	
dark gray	.../333-008	
light gray	.../333-009	
orange	.../333-012	
light green	.../333-017	



PCB Terminal Strips with Operating Levers 6 mm² Pin Spacing 7.5 mm, 10 mm, 12.5 mm 2706 Series



- High-current terminal strips with lever-actuated CAGE CLAMP®
- Tool-free opening and closing – fingers open/close levers
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Double solder pins per contact point for high mechanical stability
- 600 V UL for 12.5 mm pin spacing

Technical data:

Pin Spacing	7,5 mm 0.295 in			10 mm 0.394 in			12,5 mm 0.492 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	500 V	630 V	1000 V	800 V	1000 V	1000 V	1000 V	1000 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV	8 kV	8 kV	8 kV	8 kV	8 kV	8 kV
Nominal current	41 A	41 A	41 A	41 A	41 A	41 A	41 A	41 A	41 A
Approvals per	UL/CSA*			UL/CSA*			UL/CSA*		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	-	-	-	-	-	-	-	-	-
Nominal current UL	-	-	-	-	-	-	-	-	-
Nominal current CSA	-	-	-	-	-	-	-	-	-

Conductor and solder pin data:

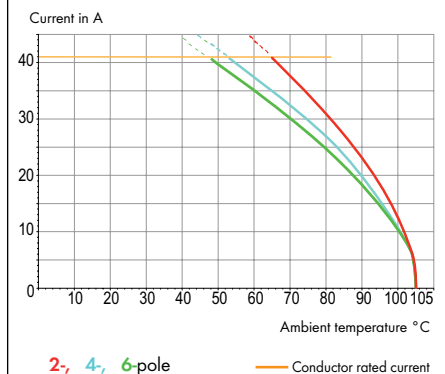
Connection technology	CAGE CLAMP®
Conductor size: solid	0.5 – 6 mm ²
Conductor size: fine-stranded	0.5 – 6 mm ²
Conductor size: fine-stranded	0.5 – 4 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.5 – 4 mm ² (with uninsulated ferrule)
AWG	20 – 10
Strip length	11 – 12 mm / 0.43 – 0.47 in
Conductor entry angle	30° to PCB
Solder pin: length/width	4.5 mm / 1.0 x 1.4 mm
Solder pin: drilled hole diameter	1.8 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Current-Carrying Capacity Curve

Pin spacing: 7.5 mm / Conductor size: 6 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



2706 Series accessories:

Page:

Marking accessories	540 – 543
Test plugs	538

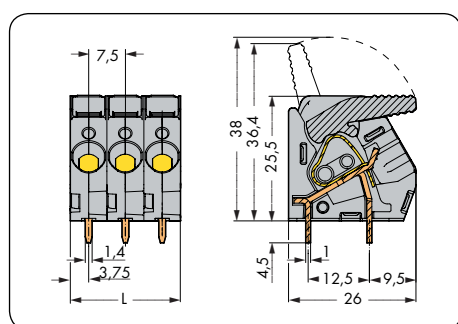
PCB Terminal Strips with Operating Levers 6 mm²

CAGE CLAMP®

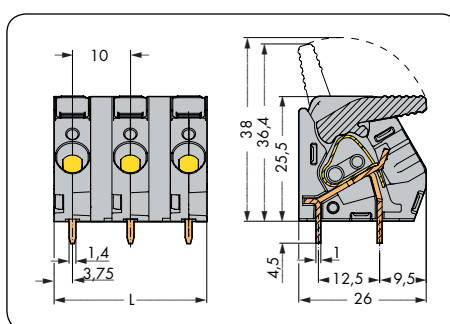
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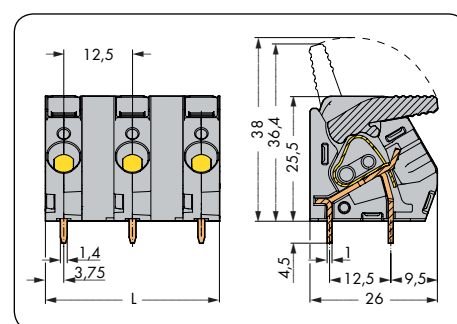
Pin spacing 7.5 mm / 0.295 in		Pin spacing 10 mm / 0.394 in		Pin spacing 12.5 mm / 0.492 in	
0.5 – 6 mm ² 630 V/6 kV/2 41 A	AWG 20 – 10	0.5 – 6 mm ² 1000 V/8 kV/2 41 A	AWG 20 – 10	0.5 – 6 mm ² 1000 V/8 kV/2 41 A	AWG 20 – 10



L = pole no. x pin spacing



L = (pole no. x pin spacing) - 2.5 mm



L = (pole no. x pin spacing) - 5 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with operating levers, gray			Terminal strip with operating levers, gray			Terminal strip with operating levers, gray		
2	2706-102	85	2	2706-202	70	2	2706-302	65
3	2706-103	55	3	2706-203	45	3	2706-303	40
4	2706-104	40	4	2706-204	30	4	2706-304	35
5	2706-105	30	5	2706-205	25	5	2706-305	20
6	2706-106	25	6	2706-206	20	6	2706-306	15
7	2706-107	20	7	2706-207	15	7	2706-307	15
8	2706-108	20	8	2706-208	15	8	2706-308	10
9	2706-109	15	9	2706-209	10	9	2706-309	10
10	2706-110	15	10	2706-210	10	10	2706-310	10
11	2706-111	15	11	2706-211	10	11	2706-311	5
12	2706-112	15	12	2706-212	10	12	2706-312	5

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● blue	.../000-006	Ordering example: Terminal strip with operating levers, 10 mm pin spacing, 8-pole, light gray: 2706-208/000-009
○ light gray	.../000-009	
● green-yellow	.../000-016	
● light green	.../000-017	

PCB Terminal Strips with Operating Levers and Jumper Slots 6 mm² Pin Spacing 7.5 mm, 10 mm 2706 Series



- High-current terminal strips with lever-actuated CAGE CLAMP®
- Tool-free opening and closing – fingers open/close levers
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Double solder pins per contact point for high mechanical stability
- Versions with commoning option for distributing potentials

Technical data:

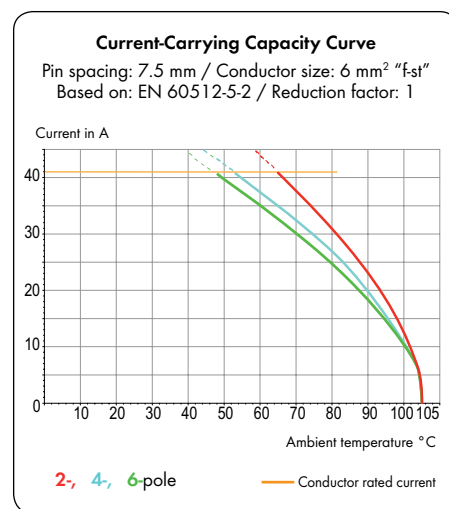
Pin Spacing	7,5 mm 0.295 in			10 mm 0.394 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage*	500 V	630 V	1000 V	630 V	1000 V	1000 V	
Rated surge voltage	6 kV	6 kV	6 kV	8 kV	8 kV	8 kV	
Nominal current	41 A	41 A	41 A	41 A	41 A	41 A	
Approvals per	UL/CSA*			UL/CSA*			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	-	-	-	-	-	-	
Nominal current UL	-	-	-	-	-	-	
Nominal current CSA	-	-	-	-	-	-	

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.5 – 6 mm ²
Conductor size: fine-stranded	0.5 – 6 mm ²
Conductor size: fine-stranded	0.5 – 4 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.5 – 4 mm ² (with uninsulated ferrule)
AWG	20 – 10
Strip length	11 – 12 mm / 0.43 – 0.47 in
Conductor entry angle	30° to PCB
Solder pin: length/width	4.5 mm / 1.0 x 1.4 mm
Solder pin: drilled hole diameter	1.8 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated



2706 Series accessories:

Page:

Marking accessories	540 – 543
Comb-style jumper bars	197
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* Using adjacent jumpers, the rated voltage is reduced to 400 V with pin spacing of 7.5 mm in Category III/3.

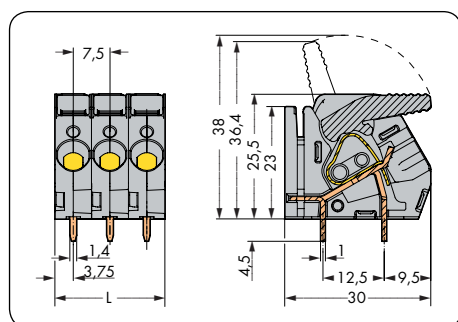
PCB Terminal Strips with Operating Levers and Jumper Slots 6 mm²

CAGE CLAMP®

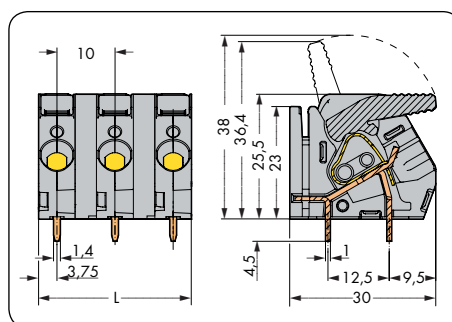
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Pin spacing 7.5 mm / 0.295 in		Pin spacing 10 mm / 0.394 in	
0.5 – 6 mm ² 630 V/6 kV/2 41 A	AWG 20 – 10	0.5 – 6 mm ² 1000 V/8 kV/2 41 A	AWG 20 – 10



L = pole no. x pin spacing



L = (pole no. x pin spacing) - 2.5 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with operating levers and jumper slot, gray			Terminal strip with operating levers and jumper slot, gray		
2	2706-152	85	2	2706-252	70
3	2706-153	55	3	2706-253	45
4	2706-154	40	4	2706-254	30
5	2706-155	30	5	2706-255	25
6	2706-156	25	6	2706-256	20
7	2706-157	20	7	2706-257	15
8	2706-158	20	8	2706-258	15
9	2706-159	15	9	2706-259	10
10	2706-160	15	10	2706-260	10
11	2706-161	15	11	2706-261	10
12	2706-162	15	12	2706-262	10

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● blue	...-.../000-006	Ordering example: Terminal strip with operating levers and jumper slot, 10 mm pin spacing 8-pole, light gray: 2706-358/000-009
○ light gray	...-.../000-009	
● green-yellow	...-.../000-016	
● light green	...-.../000-017	

PCB Terminal Strips with Operating Levers 16 mm² Pin Spacing 10 mm, 15 mm 2716 Series



- High-current terminal strips with lever-actuated CAGE CLAMP®
- Tool-free opening and closing - fingers open/close levers
- Several clamping units can be held open simultaneously
- convenient for terminating multi-core cables
- Four solder pins per contact point for high mechanical stability
- 600 V UL for 15 mm pin spacing
- Pin and dimensions compatible to high-current, screw-type terminal blocks

Technical data:

Pin Spacing	10 mm 0.394 in			15 mm 0.591 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	320 V	320 V	630 V	800 V	1000 V	1000 V	
Rated surge voltage	4 kV	4 kV	4 kV	8 kV	8 kV	8 kV	
Nominal current	76 A	76 A	76 A	76 A	76 A	76 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	300 V	150 V	300 V	600 V	600 V	-	
Nominal current UL	55 A	55 A	10 A	65 A	65 A	-	
Nominal current CSA	-	-	-	-	-	-	

Conductor and solder pin data:

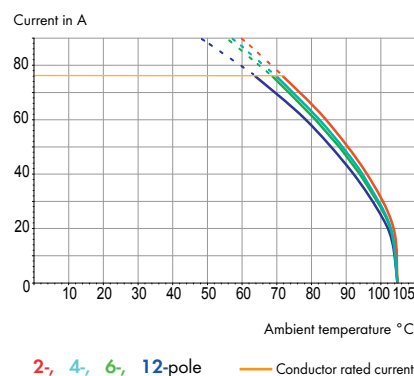
Connection technology	CAGE CLAMP®
Conductor size: solid	1.5 - 16 mm ²
Conductor size: fine-stranded	1.5 - 16 mm ²
Conductor size: fine-stranded	1.5 - 10 mm ² (with insulated ferrule)
Conductor size: fine-stranded	1.5 - 10 mm ² (with uninsulated ferrule)
AWG	16 - 6
Strip length	12 - 13 mm / 0.47 - 0.51 in
Conductor entry angle	30° to PCB
Solder pin: length/width	4.5 mm / 0.95 x 1.2 mm
Solder pin: drilled hole diameter	1.6 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Current-Carrying Capacity Curve

Pin spacing: 10 mm / Conductor size: 16 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



2716 Series accessories:

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Marking accessories	540 - 543
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PCB Terminal Strips with Operating Levers 16 mm²

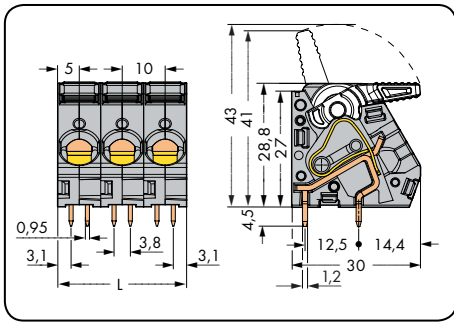
CAGE CLAMP®

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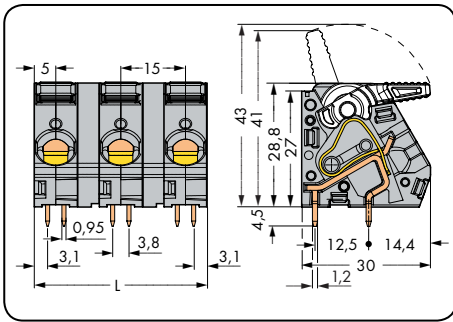
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Pin spacing 10 mm / 0.394 in		Pin spacing 15 mm / 0.591 in	
1.5 – 16 mm²	AWG 16 – 6	1.5 – 16 mm²	AWG 16 – 6
320 V/4 kV/2 76 A	150 V/55 A	1000 V/8 kV/2 76 A	600 V/65 A



L = pole no. x pin spacing



L = (pole no. x pin spacing) - 5 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with operating levers, gray			Terminal strip with operating levers, gray		
2	2716-102	65	2	2716-202	50
3	2716-103	40	3	2716-203	30
4	2716-104	30	4	2716-204	20
5	2716-105	25	5	2716-205	15
6	2716-106	20	6	2716-206	15
7	2716-107	15	7	2716-207	10
8	2716-108	15	8	2716-208	10

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● blue	/000-006	Ordering example: Terminal strip, 10 mm pin spacing 8-pole, light gray: 2716-108/000-009
○ light gray	/000-009	
● green-yellow	/000-016	
● light green	/000-017	

PCB Terminal Strips with Operating Levers and Jumper Slots 16 mm² Pin Spacing 10 mm, 15 mm 2716 Series



- High-current terminal strips with lever-actuated CAGE CLAMP®
- Tool-free opening and closing - fingers open/close levers
- Several clamping units can be held open simultaneously
– convenient for terminating multi-core cables
- Four solder pins per contact point for high mechanical stability
- 600 V UL for 15 mm pin spacing
- Versions with commoning option for distributing potentials

Technical data:

Pin Spacing	10 mm 0.394 in			15 mm 0.591 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	320 V	320 V	630 V	800 V	1000 V	1000 V	
Rated surge voltage	4 kV	4 kV	4 kV	8 kV	8 kV	8 kV	
Nominal current	76 A	76 A	76 A	76 A	76 A	76 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	300 V	150 V	300 V	600 V	600 V	-	
Nominal current UL	55 A	55 A	10 A	55 A	65 A	-	
Nominal current CSA	-	-	-	-	-	-	

Conductor and solder pin data:

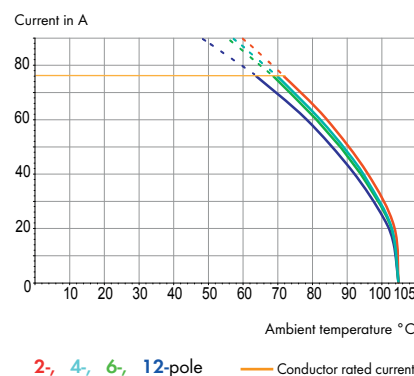
Connection technology	CAGE CLAMP®
Conductor size: solid	1.5 – 16 mm ²
Conductor size: fine-stranded	1.5 – 16 mm ²
Conductor size: fine-stranded	1.5 – 10 mm ² (with insulated ferrule)
Conductor size: fine-stranded	1.5 – 10 mm ² (with uninsulated ferrule)
AWG	16 – 6
Strip length	12 – 13 mm / 0.47 – 0.51 in
Conductor entry angle	30° to PCB
Solder pin: length/width	4.5 mm / 0.95 x 1.2 mm
Solder pin: drilled hole diameter	1.6 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Current-Carrying Capacity Curve

Pin spacing: 10 mm / Conductor size: 16 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



2716 Series accessories:

Page:

Marking accessories	540 – 543
Comb-style jumper bars	197
Test plugs	538

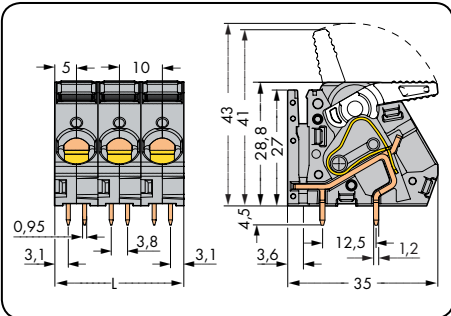
PCB Terminal Strips with Operating Levers and Jumper Slots 16 mm²

CAGE CLAMP®

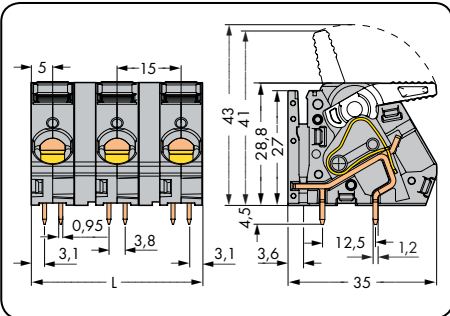
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Pin spacing 10 mm / 0.394 in		Pin spacing 15 mm / 0.591 in	
1.5 – 16 mm ² 320 V/4 kV/2 76 A	AWG 16 – 6 150 V/55 A	1.5 – 16 mm ² 1000 V/8 kV/2 76 A	AWG 16 – 6 600 V/65 A



L = pole no. x pin spacing



L = (pole no. x pin spacing) - 5 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip with operating levers and jumper slot, gray			Terminal strip with operating levers and jumper slot, gray		
2	2716-152	52	2	2716-252	40
3	2716-153	32	3	2716-253	24
4	2716-154	24	4	2716-254	16
5	2716-155	20	5	2716-255	12
6	2716-156	16	6	2716-256	12
7	2716-157	12	7	2716-257	8
8	2716-158	12	8	2716-258	8

Item no. suffixes for colored terminal strips: (Production and prices depend on quantity required)

● blue	/000-006	Ordering example: Terminal strip, 10 mm pin spacing 8-pole, light gray: 2716-158/000-009
○ light gray	/000-009	
● green-yellow	/000-016	
● light green	/000-017	

Please contact factory for other lengths, colors, mixed-color terminal strips, or direct marking.

