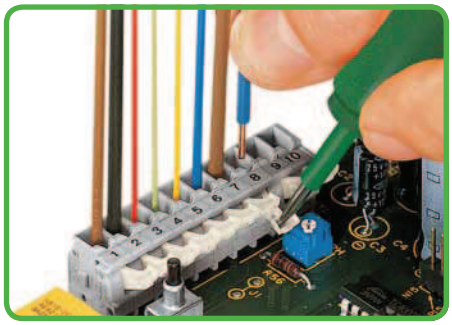
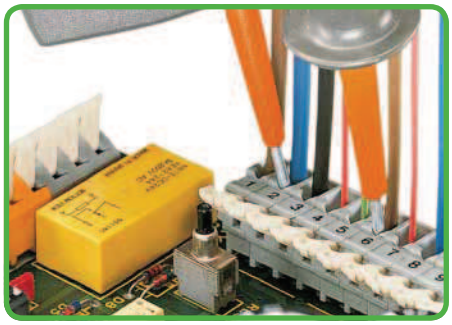
PCB Terminal Strips, Description and Handling 255, 256 and 257 Series

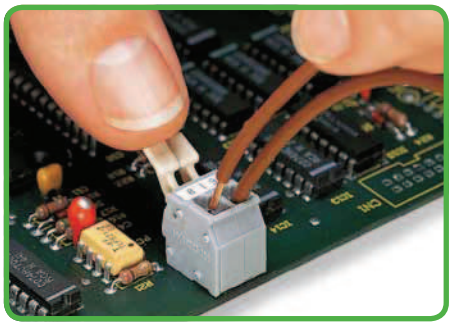
255 Series



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

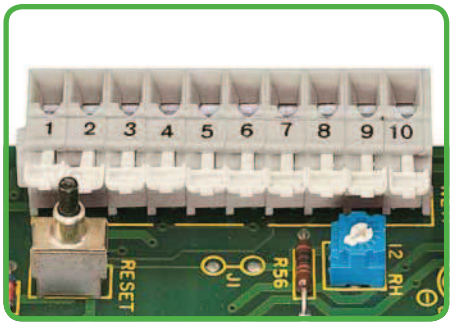


Testing with test probes.



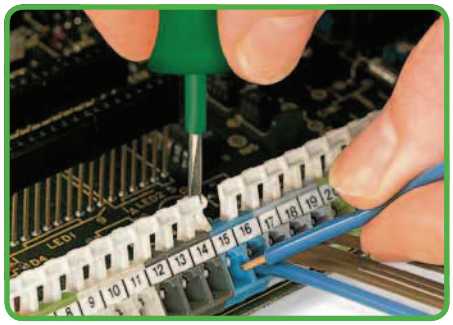
Inserting/removing conductor via finger-operated lever – 255 Series.

For terminal strips with finger-operated levers, see Full Line Catalog, Volume 2.



Factory direct printing.

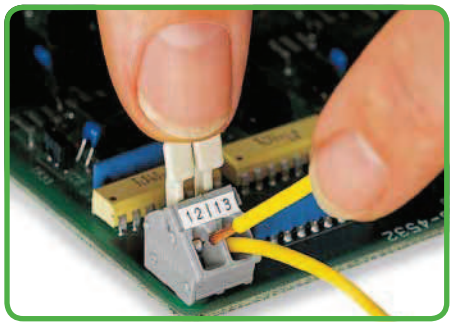
256 Series



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

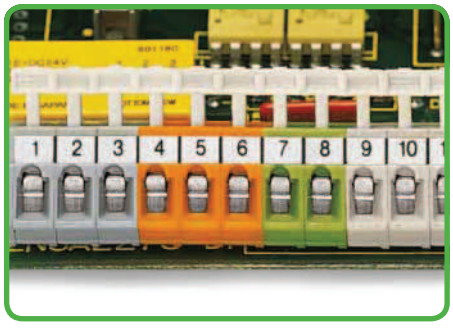


Possible conductor arrangement with terminal strips staggered (for 256 Series only).



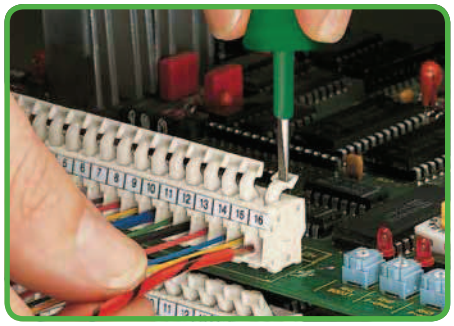
Inserting/removing conductor via finger-operated lever – 256 Series.

For terminal strips with finger-operated levers, see Full Line Catalog, Volume 2.

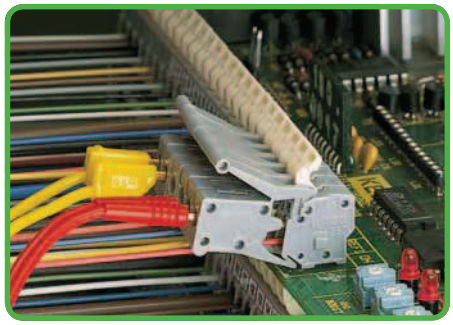


Marking with self-adhesive marking strips.

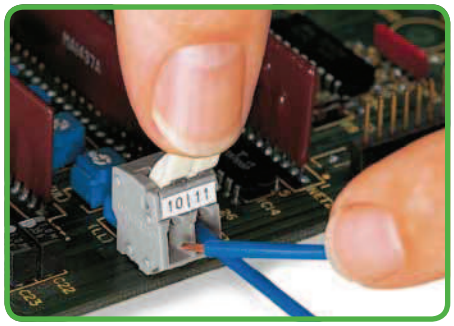
257 Series



Inserting/removing conductor via push-button – 257 Series.
Angled push-button, side-entry.
Straight push-button, front-entry.

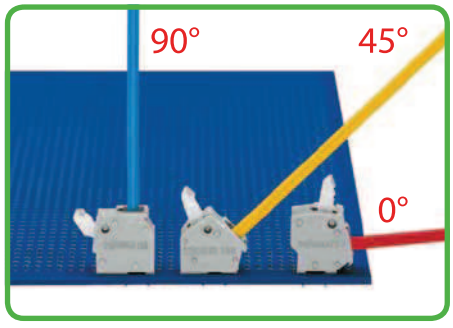


Testing with test plug adapter.



Inserting/removing conductor via finger-operated lever – 257 Series.

For terminal strips with finger-operated levers, see Full Line Catalog, Volume 2.

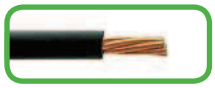


Series 255 256 257
Conductor entry angles.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip-bonded



with ferrule

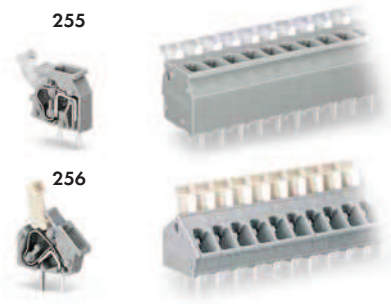


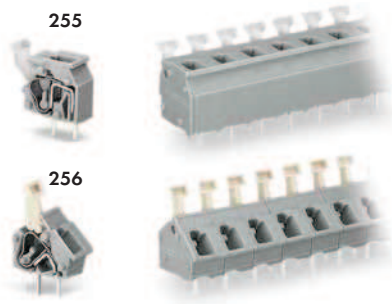
with pin terminal

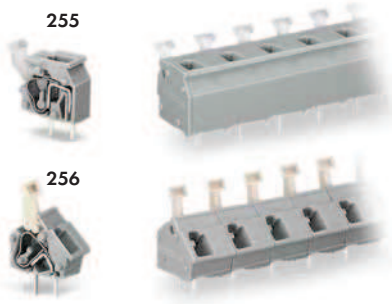
Strip length, see packaging or instructions.

PCB Modular Terminal Blocks and Terminal Strips 2.5 mm²
Pin Spacing 5/5.08 mm, 7.5/7.62 mm and 10/10.16 mm
255 and 256 Series

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*
250 V/4 kV/3, 16 A | 300 V, 15 A	400 V/6 kV/3, 16 A | 300 V, 15 A	500 V/6 kV/3, 16 A | 300 V, 15 A
500 V/4 kV/2, 16 A | 300/600 V, 15/5 A	800 V/6 kV/2, 16 A | 300/600 V, 15/5 A	1000 V/6 kV/2, 16 A | 300/600 V, 15/5 A
5 - 6 mm / 0.22 in	5 - 6 mm / 0.22 in	5 - 6 mm / 0.22 in
❶ Approvals	❶ Approvals	❶ Approvals







Color Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular terminal block,				
2 solder pins/pole				
gray	**255-401**	500	**256-401**	600
red	**255-740**	500	**256-740**	600
dark gray	**255-742**	500	**256-742**	600
light gray (Ex)	**255-743**	500	**256-743**	600
blue	**255-744**	500	**256-744**	600
orange	**255-746**	500	**256-746**	600
light green	**255-747**	500	**256-747**	600
Terminal strip, gray, standard lengths,**				
2 solder pins/pole				
2	**255-402**	400	**256-402**	400
3	**255-403**	280	**256-403**	280
4	**255-404**	200	**256-404**	200
:	:	:		
9	**255-409**	100	**256-409**	100
10	**255-410**	80	**256-410**	80
12	**255-412**	60	**256-412**	60
16	**255-416**	60	**256-416**	60
24	**255-424**	40	**256-424**	40
36	**255-436**	20	**256-436**	20
48	**255-448**	20	**256-448**	20

Color Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular terminal block,				
2 solder pins/pole				
gray	**255-501**	400	**256-501**	400
red	**255-750**	400	**256-750**	400
dark gray	**255-752**	400	**256-752**	400
light gray (Ex)	**255-753**	400	**256-753**	400
blue	**255-754**	400	**256-754**	400
orange	**255-756**	400	**256-756**	400
light green	**255-757**	400	**256-757**	400
Terminal strip, gray, standard lengths,**				
2 solder pins/pole				
2	**255-502**	280	**256-502**	280
3	**255-503**	180	**256-503**	180
4	**255-504**	140	**256-504**	140
:	:	:		
7	**255-507**	80	**256-507**	80
8	**255-508**	60	**256-508**	60
9	**255-509**	60	**256-509**	60
10	**255-510**	60	**256-510**	60
12	**255-512**	40	**256-512**	40
16	**255-516**	40	**256-516**	40
24	**255-524**	20	**256-524**	20

Color Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular terminal block,				
2 solder pins/pole				
gray	**255-601**	300	**256-601**	300
red	**255-760**	300	**256-760**	300
dark gray	**255-762**	300	**256-762**	300
light gray (Ex)	**255-763**	300	**256-763**	300
blue	**255-764**	300	**256-764**	300
orange	**255-766**	300	**256-766**	300
light green	**255-767**	300	**256-767**	300
Terminal strip, gray, standard lengths,**				
2 solder pins/pole				
2	**255-602**	200	**256-602**	200
3	**255-603**	140	**256-603**	140
4	**255-604**	100	**256-604**	100
:	:	:		
7	**255-607**	60	**256-607**	60
8	**255-608**	60	**256-608**	60
9	**255-609**	40	**256-609**	40
10	**255-610**	40	**256-610**	40
12	**255-612**	40	**256-612**	40
16	**255-616**	20	**256-616**	20
24	**255-624**	20	**256-624**	20

Accessories, 255 and 256 Series

(Marking strips, see Section 6)

**Item no. suffix for colored terminal strips, see page 119



Spacer, 5/5.08 mm thick, doubles pin spacing

gray	**255-801**	100



Spacer, 7.5/7.62 mm thick, doubles pin spacing

gray	**255-811**	100



Spacer, 10/10.16 mm thick, doubles pin spacing

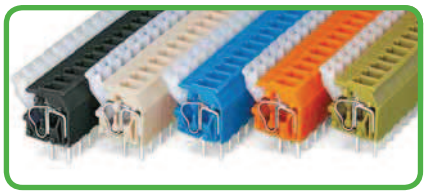
gray	**255-821**	100



End plates, snap-on type, 1 mm thick

255 Series

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





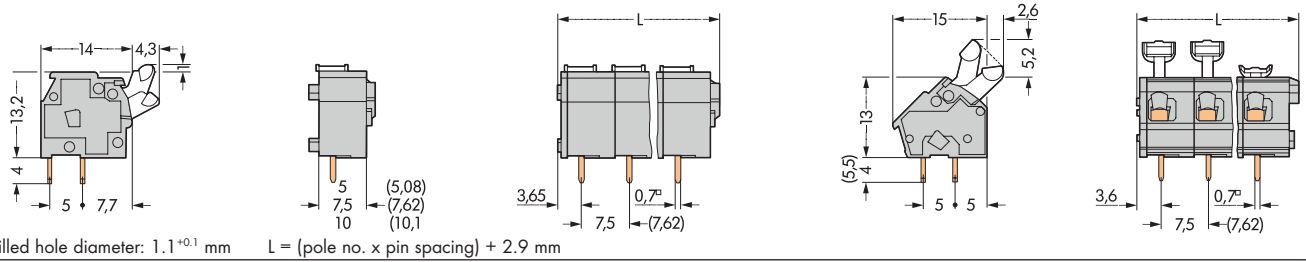
End plates, snap-on type, 1 mm thick

256 Series

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

Dimensions (in mm) (Adjust pin spacing by pulling on the end blocks so that they expand to satisfy the hole centers required.)

(Ex) Terminal blocks for Ex e II applications see Full Line Catalog, Volume 2



Drilled hole diameter: $1.1^{+0.1}$ mm L = (pole no. x pin spacing) + 2.9 mm

❶ Approvals are available online at: www.wago.com. *AWG 12: THHN, THWN

For technical explanations and abbreviations, see technical section.

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

CAGE CLAMP®

Pin spacing 5/5.08 mm / 0.2 in

0.08 - 2.5 mm² | AWG 28 - 12*
250 V/4 kV/3, 16 A | 300 V, 15 A
500 V/4 kV/2, 16 A | 300/600 V, 15/5 A
5 - 6 mm / 0.22 in

❶ Approvals

Pin spacing 7.5/7.62 mm / 0.3 in

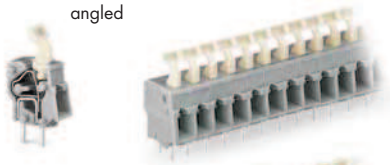
0.08 - 2.5 mm² | AWG 28 - 12*
400 V/6 kV/3, 16 A | 300 V, 15 A
800 V/6 kV/2, 16 A | 300/600 V, 15/5 A
5 - 6 mm / 0.22 in

❶ Approvals

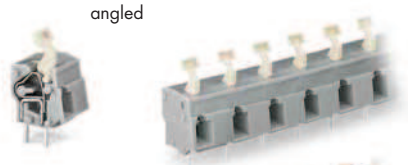
Pin spacing 10/10.16 mm / 0.4 in

0.08 - 2.5 mm² | AWG 28 - 12*
500 V/6 kV/3, 16 A | 300 V, 15 A
1000 V/6 kV/2, 16 A | 300/600 V, 15/5 A
5 - 6 mm / 0.22 in

❶ Approvals







Color Pole No.	Item No.	Item No.	Pack. Unit
Modular terminal block,			
2 solder pins/pole			
	Push-button	Push-button	
	angled	straight	
gray	**257-451**	**257-401**	500
red	**257-840**	**257-740**	500
dark gray	**257-842**	**257-742**	500
light gray (Ex)	**257-843**	**257-743**	500
blue	**257-844**	**257-744**	500
orange	**257-846**	**257-746**	500
light green	**257-847**	**257-747**	500
Terminal strip, gray, standard lengths,			
2 solder pins / pole			
2	**257-452**	**257-402**	400
3	**257-453**	**257-403**	280
:	:	:	
10	**257-460**	**257-410**	80
12	**257-462**	**257-412**	80
16	**257-466**	**257-416**	60
24	**257-474**	**257-424**	40
36	**257-486**	**257-436**	20
48	**257-498**	**257-448**	20

Color Pole No.	Item No.	Item No.	Pack. Unit
Modular terminal block,			
2 solder pins/pole			
	Push-button	Push-button	
	angled	straight	
gray	**257-551**	**257-501**	400
red	**257-850**	**257-750**	400
dark gray	**257-852**	**257-752**	400
light gray (Ex)	**257-853**	**257-753**	400
2 blue	**257-854**	**257-754**	400
orange	**257-856**	**257-756**	400
light green	**257-857**	**257-757**	400
Terminal strip, gray, standard lengths,			
2 solder pins / pole			
2	**257-552**	**257-502**	280
3	**257-553**	**257-503**	200
4	**257-554**	**257-504**	140
:	:	:	
9	**257-559**	**257-509**	60
10	**257-560**	**257-510**	60
12	**257-562**	**257-512**	40
16	**257-566**	**257-516**	40
24	**257-574**	**257-524**	20

Color Pole No.	Item No.	Item No.	Pack. Unit
Modular terminal block,			
2 solder pins/pole			
	Push-button	Push-button	
	angled	straight	
gray	**257-651**	**257-601**	300
red	**257-860**	**257-760**	300
dark gray	**257-862**	**257-762**	300
light gray (Ex)	**257-863**	**257-763**	300
2 blue	**257-864**	**257-764**	300
orange	**257-866**	**257-766**	300
light green	**257-867**	**257-767**	300
Terminal strip, gray, standard lengths,			
2 solder pins / pole			
2	**257-652**	**257-602**	200
3	**257-653**	**257-603**	140
4	**257-654**	**257-604**	100
:	:	:	
9	**257-659**	**257-609**	40
10	**257-660**	**257-610**	40
12	**257-662**	**257-612**	40
16	**257-666**	**257-616**	20
24	**257-674**	**257-624**	20

Accessories, 257 Series

(Marking strips, see Section 6)



Spacer, 5/5.08 mm thick, doubles pin spacing

gray	**257-801**	100



Spacer, 7.5/7.62 mm thick, doubles pin spacing

gray	**257-811**	100



Spacer, 10/10.16 mm thick, doubles pin spacing

gray	**257-821**	100

End plates, snap-on type, 1 mm thick



257 Series		
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



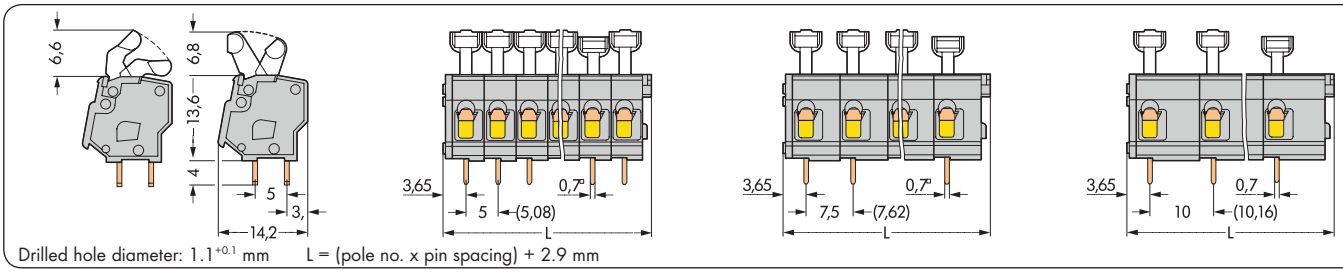
Item no. suffix for terminal strips in:

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

2 Terminal blocks with blue insulation are suitable for Ex i applications (only for 7.5/7.62 mm and 10/10.16 mm pin spacing).

Dimensions (in mm)

(Adjust pin spacing by pulling on the end blocks so that they expand to satisfy the hole centers required.)

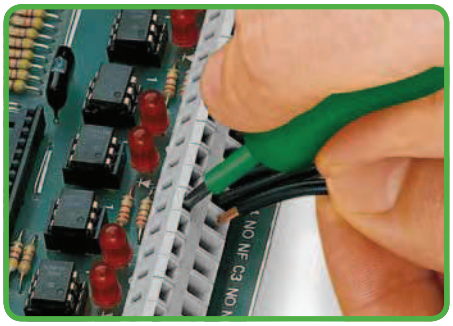


Drilled hole diameter: 1.1$^{+0.1}$ mm L = (pole no. x pin spacing) + 2.9 mm

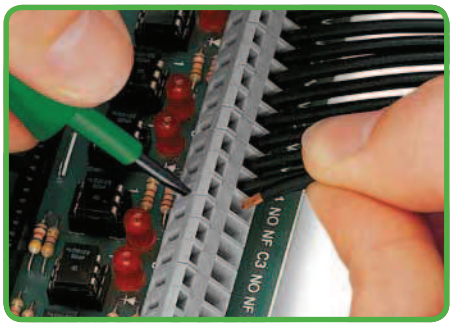
Please find the entire product range in our Full Line Catalog, Volume 2. For more information, please visit www.wago.com.

PCB Terminal Strips, Description and Handling
236, 736, 737, 738, 742 and 745 Series

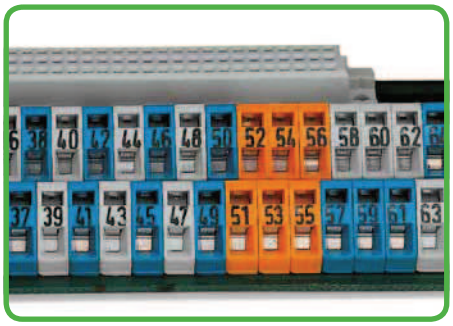
236 Series



Inserting conductor via 3.5 mm screwdriver.
Screwdriver actuation parallel to conductor entry.

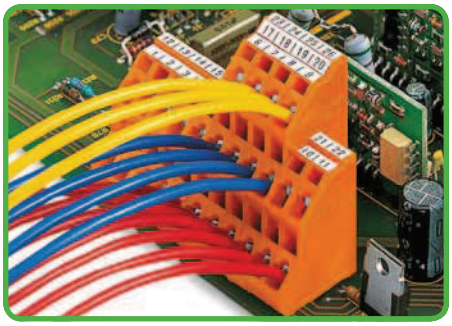


Inserting conductor via 3.5 mm screwdriver.
Screwdriver actuation perpendicular to conductor entry.

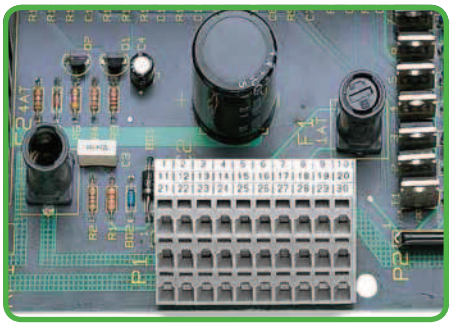


Mixed-color terminal strips with factory direct printing.

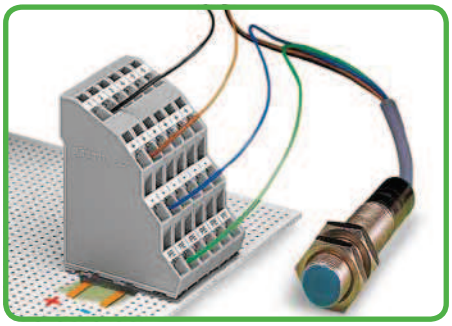
736, 737 and 738 Series



Combining double- and triple-deck terminal strips.

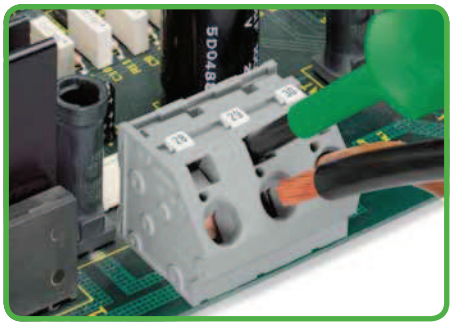


Space-saving triple-deck terminal strip.

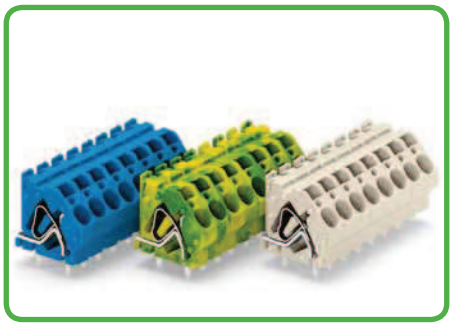


Wiring 4-conductor sensors.

745 Series

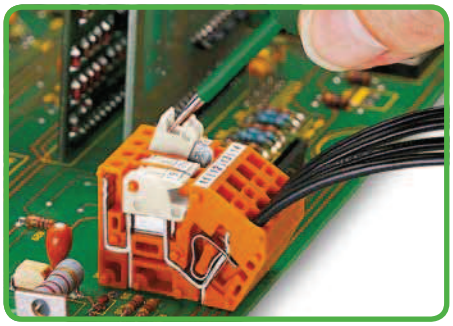


Inserting conductor via 5.5 mm screwdriver.



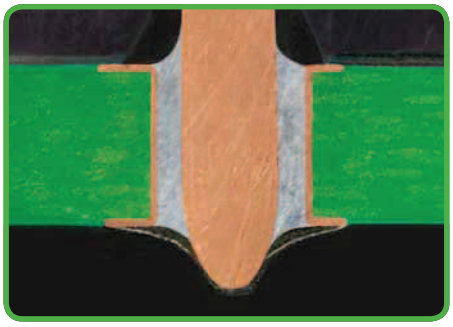
For terminal strips in other colors, please contact factory.

742 Series



Opening knife disconnect.

THR soldering



In electronic product manufacturing, **S**urface **M**ount **T**echnology has led to a rapid rise in productivity.

The integration of classic electromechanical components such as connectors or PCB terminal blocks into the reflow soldering process offers even more potential for economy.

By using high-temperature resistant plastic and a streamlined pin design, the WAGO **T**hrough **H**ole **R**eflow connectors and PCB terminal blocks meet requirements for SMT process capability while maintaining necessary stability.

Press-in technology



Unique features of WAGO press-in technology:

- Press-in pin features spring-loaded style expanding contact zone to provide greater retention and stability
- Suitable for all printed circuit boards with the correct tin plating for press-in connectors
- Mechanically stable pin dimensions
  – 0.6 x 0.6 mm or
  – 0.8 x 0.8 mm
- Metal-plated hole with optimum diameter
  – 1.0 or 1.45 $^{+0,09}_{-0,06}$ mm
- Press-in pin for PCB thickness from 1.4 to 3 mm
- Press-in length of approx. 3.2 mm
  – no unnecessary projection on underside of PCB
- Low press-in force required
  – reduces wear and tear on PCB and components
- High retention force within the PCB – doubles the values required by DIN IEC 60352-5
- Robust bonded connection
- Excellent elastic spring behavior
- No deformation of the metal-plated end hole
- Length of contact area ≥ 1.3 mm
- No deformation of multilayer PCBs
- Minimal tin removal in the contact hole
  – reduces wear and tear on PCB and contact points
- Application-specific press-in tool
  – please contact factory

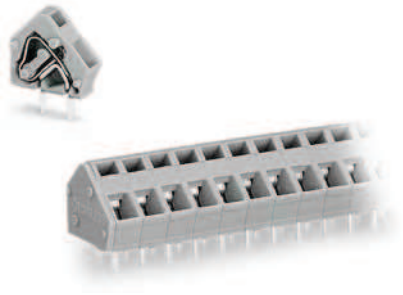
PCB Modular Terminal Blocks and Terminal Strips 2.5 mm²
Pin Spacing 5/5.08 mm, 7.5/7.62 mm and 10/10.16 mm
236 Series

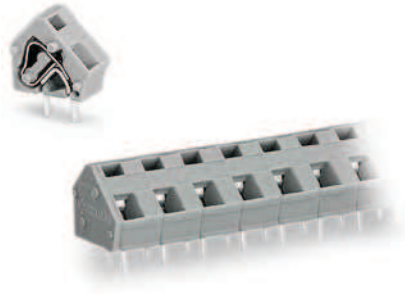
CAGE CLAMP®

Pin spacing 5/5.08 mm / 0.2 in
0.08 - 2.5 mm² | AWG 28 - 12*
250 V/4 kV/3, 24 A | 300 V, 15 A
320 V/4 kV/2, 24 A | 300 V, 15 A
5 - 6 mm / 0.22 in
❶ Approvals

Pin spacing 7.5/7.62 mm / 0.3 in
0.08 - 2.5 mm² | AWG 28 - 12*
400 V/6 kV/3, 24 A | 300 V, 15 A
630 V/6 kV/2, 24 A | 300 V, 15 A
5 - 6 mm / 0.22 in
❶ Approvals

Pin spacing 10/10.16 mm / 0.4 in
0.08 - 2.5 mm² | AWG 28 - 12*
630 V/8 kV/3, 24 A | 300 V, 15 A
1000 V/8 kV/2, 24 A | 300 V, 15 A
5 - 6 mm / 0.22 in
❶ Approvals







Color Pole No.	Item No.	Item No.	Pack. Unit
Modular terminal block,			
1 solder pin / pole, rear ❸		**2 solder pins/pole**	
gray	**236-101**	**236-401**	600
dark gray	**236-712**	**236-742**	600
light gray Ex	**236-713**	**236-743**	600
blue	**236-714**	**236-744**	600
green	**236-715**	**236-745**	600
orange	**236-716**	**236-746**	600
light green	**236-717**	**236-747**	600
black	**236-854**	**236-851**	600
Terminal strip, gray, standard lengths,			
1 solder pin / pole, rear ❸		**2 solder pins/pole**	
2	**236-102**	**236-402**	420
3	**236-103**	**236-403**	280
:	:	:	
8	**236-108**	**236-408**	100
12	**236-112**	**236-412**	80
16	**236-116**	**236-416**	60
24	**236-124**	**236-424**	40
36	**236-136**	**236-436**	20
48	**236-148**	**236-448**	20

Color Pole No.	Item No.	Item No.	Pack. Unit
Modular terminal block,			
1 solder pin / pole, rear ❸		**2 solder pins/pole**	
gray	**236-201**	**236-501**	400
dark gray	**236-722**	**236-752**	400
light gray Ex	**236-723**	**236-753**	400
2 blue	**236-724**	**236-754**	400
green	**236-725**	**236-755**	400
orange	**236-726**	**236-756**	400
light green	**236-727**	**236-757**	400
black	**236-855**	**236-852**	400
Terminal strip, gray, standard lengths,			
1 solder pin / pole, rear ❸		**2 solder pins/pole**	
2	**236-202**	**236-502**	280
3	**236-203**	**236-503**	200
4	**236-204**	**236-504**	140
6	**236-206**	**236-506**	100
8	**236-208**	**236-508**	80
12	**236-212**	**236-512**	40
16	**236-216**	**236-516**	40
24	**236-224**	**236-524**	20

Color Pole No.	Item No.	Item No.	Pack. Unit
Modular terminal block,			
1 solder pin / pole, rear ❸		**2 solder pins/pole**	
gray	**236-301**	**236-601**	300
dark gray	**236-732**	**236-762**	300
light gray Ex	**236-733**	**236-763**	300
2 blue	**236-734**	**236-764**	300
green	**236-735**	**236-765**	300
orange	**236-736**	**236-766**	300
light green	**236-737**	**236-767**	300
black	**236-856**	**236-853**	300
Terminal strip, gray, standard lengths,			
1 solder pin / pole, rear ❸		**2 solder pins/pole**	
2	**236-302**	**236-602**	200
3	**236-303**	**236-603**	140
4	**236-304**	**236-604**	100
6	**236-306**	**236-606**	80
8	**236-308**	**236-608**	60
12	**236-312**	**236-612**	40
16	**236-316**	**236-616**	20
24	**236-324**	**236-624**	20

Accessories, 236 Series

(Marking strips, see Section 6)



Operating tool ❹,		
plastic	**236-332**	1
metal	**236-335**	1

End plates, snap-on type, 1 mm thick



gray	**236-100**	100
dark gray	**236-200**	100
light gray	**236-300**	100
blue	**236-400**	100
green	**236-500**	100
orange	**236-600**	100
light green	**236-700**	100
black	**236-850**	100



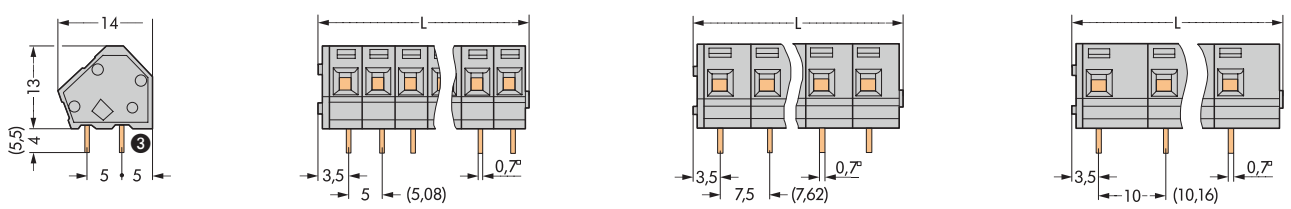
Ex Terminal blocks for Ex e II applications see Full Line Catalog, Volume 2

Item no. suffix for terminal strips in:

black	.../...-004
2 blue	.../...-006
dark gray	.../...-008
light gray Ex	.../...-009
orange	.../...-012
light green	.../...-017
green	.../...-023

2 Terminal blocks with blue insulation are suitable for Ex i applications (only for pin spacing 7.5/7.62 mm and 10/10.16 mm)

Dimensions



Drilled hole diameter: $1.1^{+0.1}$ mm L = (pole no. x pin spacing) + 2.3 mm (Adjust pin spacing by pulling on the end blocks so that they expand to satisfy the hole centers required.)

❶ Approvals are available online at: www.wago.com. *AWG 12: THHN, THWN

❸ solder pin, rear ❹ for factory wiring For technical explanations and abbreviations, see technical section.