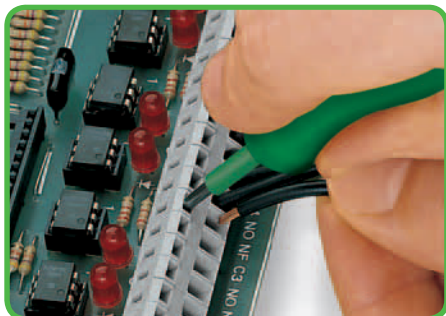
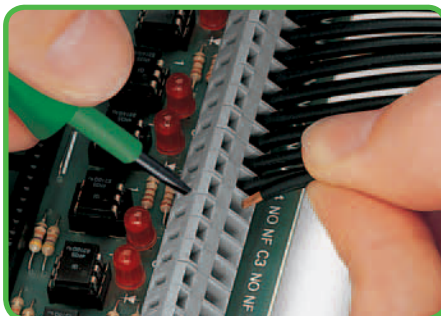


Description and Handling

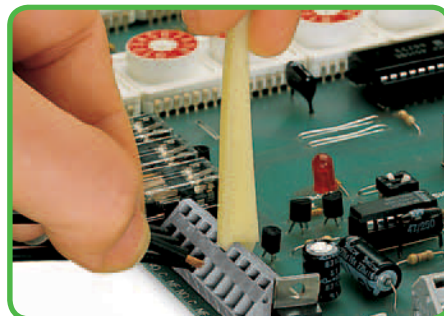
233, 236, 736, 737, 738, 739, 740 and 745 Series



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

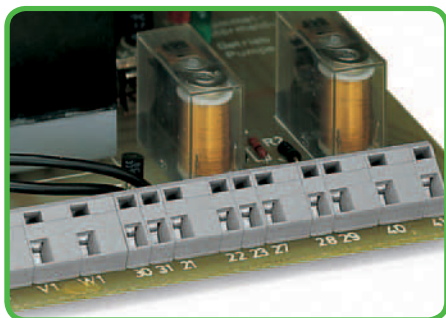


Inserting conductor via 3.5 mm screwdriver.
Screwdriver actuation perpendicular to conductor entry.



Inserting conductor via operating tool.

Pin spacing combination



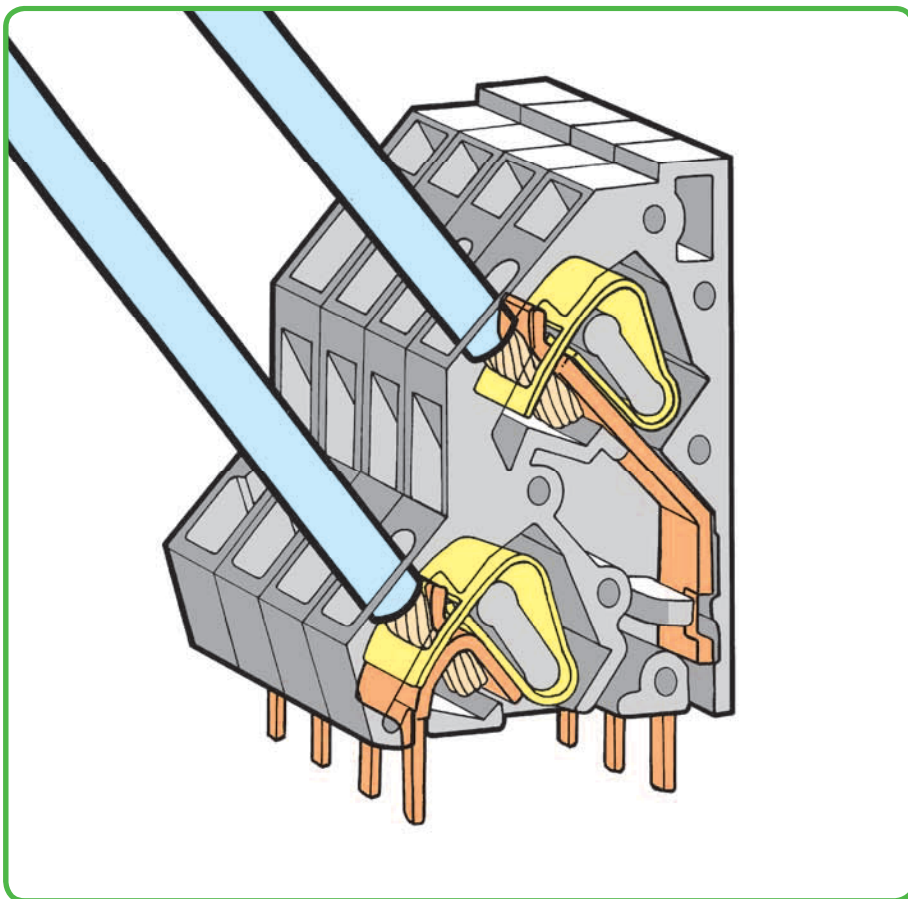
Combining terminal blocks with different pin spacing.

Space-efficient configuration

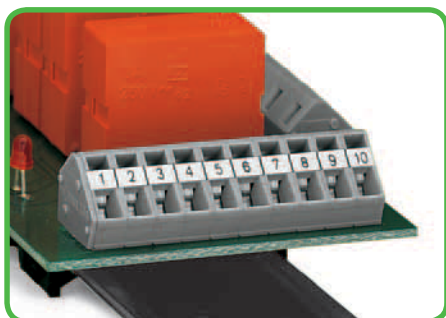


Terminal strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

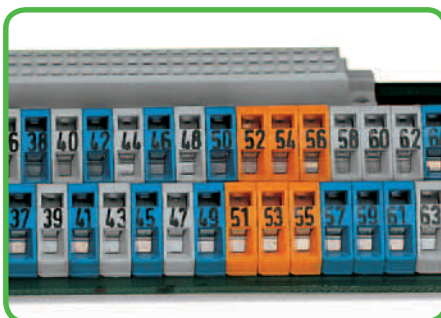
736 Series



Marking

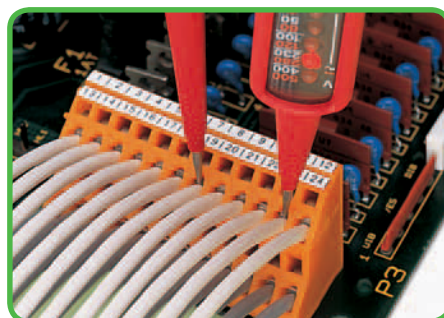


Marking via self-adhesive strips ...



... or factory direct printing.

Testing



Testing via contact area above the conductors.

CAGE CLAMP® clamps
the following copper
conductors:*

solid

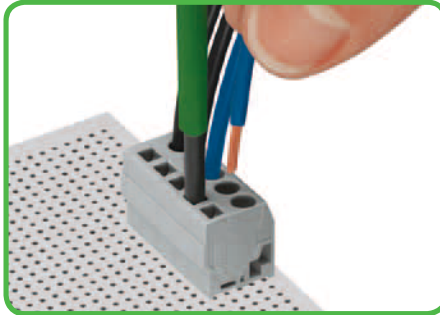
stranded

fine-stranded,
also with tinned
single strands

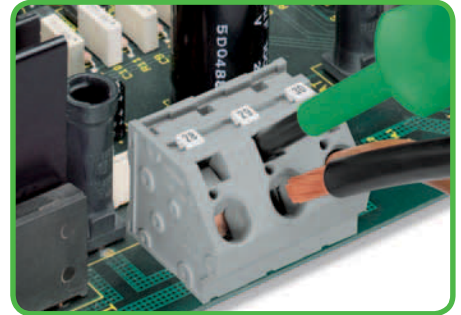
* For aluminum conductors, see notes in Section 11.



Inserting conductor perpendicular to screwdriver actuation – 740 Series.

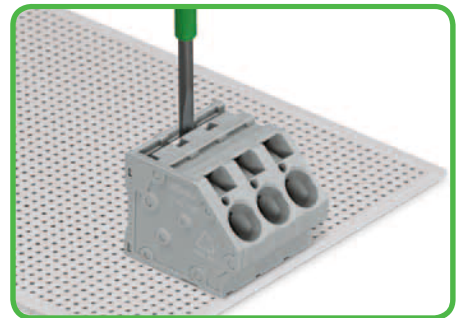
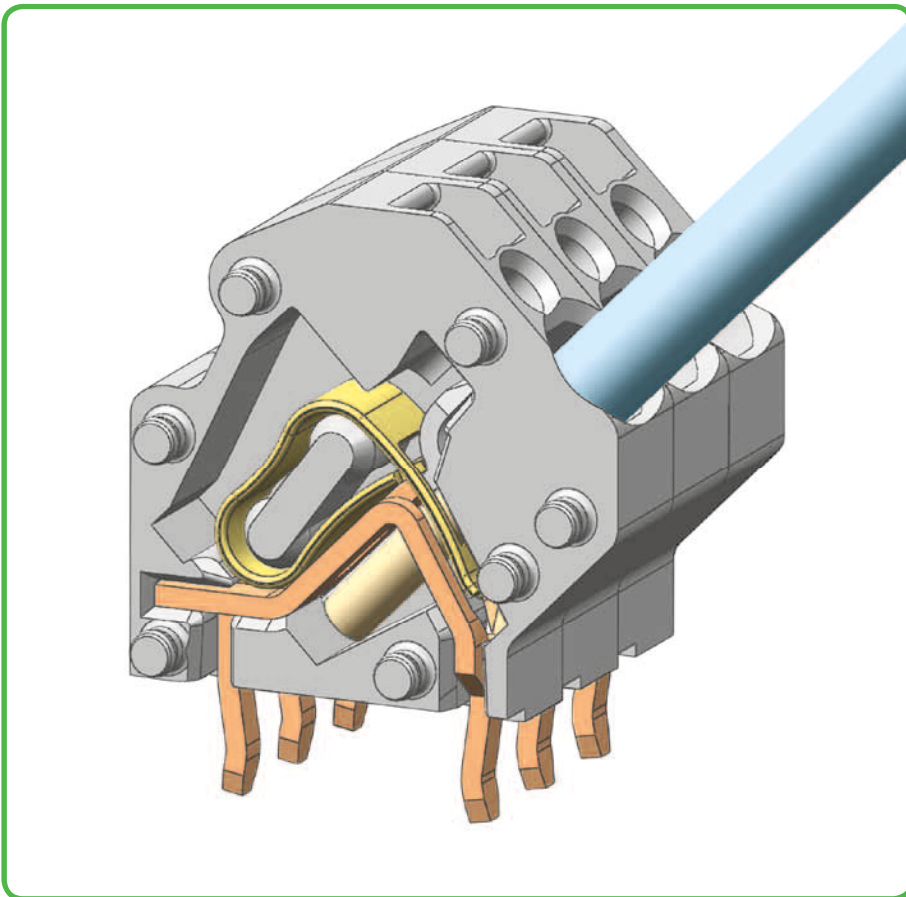


Inserting conductor parallel to screwdriver actuation – 739 Series.

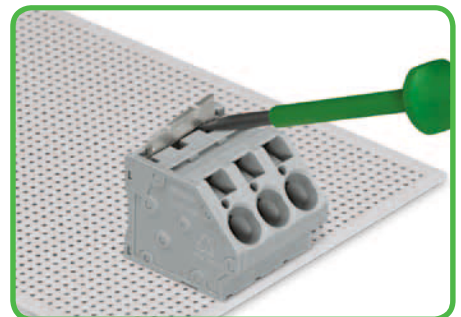


Inserting/removing conductor via 5.5 mm screwdriver – 745 Series, 16 mm².

745 Series

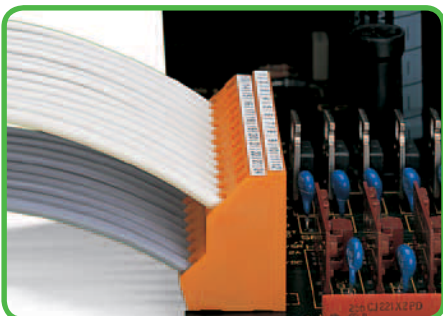


To insert comb-style jumper bar, push it down using a screwdriver until it hits the backstop – 745 Series.



To remove comb-style jumper bar, lift it up using a screwdriver – 745 Series.

Space requirement



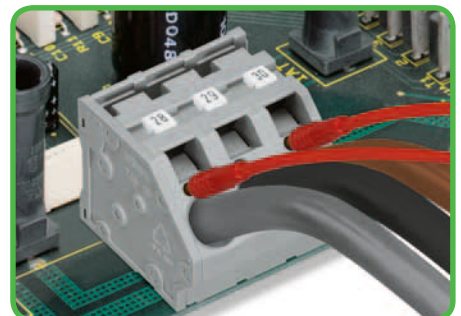
Low space requirements due to high-density design – double-deck terminal strip – 736 Series.

Marking



Marking with miniature WSB and WMB markers or factory direct printing – 745 Series.

Testing



Testing with test plug – 745 Series.



fine-stranded,
tip-bonded

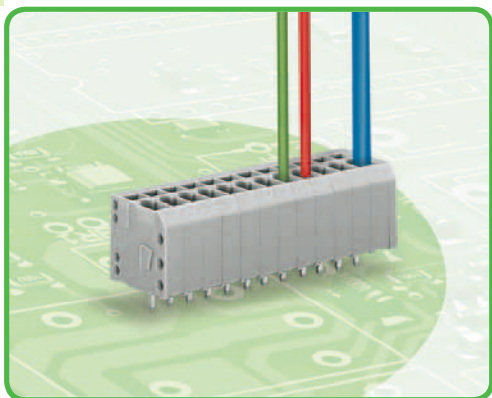


fine-stranded with
crimped ferrules
(gas-tight)



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

PCB Terminal Strips 1.5 mm² and 2.5 mm² Pin Spacing 3.5 mm, 3.81 mm, 5 mm, 5.08 mm, 7.5 mm, 7.62 mm 739 Series



- Terminal strips with screwdriver-actuated CAGE CLAMP®
- Vertical conductor entry and conductor operation provide for space-saving positioning/grouping

Technical data:

Pin Spacing	3.5 mm, 3.81 mm 0.138 in, 0.15 in			5 mm, 5.08 mm 0.197 in, 0.2 in			7.5 mm, 7.62 mm 0.295 in, 0.3 in			10 mm 0.394 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2	3	2	2
Rated voltage				320 V	320 V	630 V	500 V	630 V	1000 V	500 V	630 V	1000 V
Rated surge voltage				4 kV	4 kV	4 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV
Rated voltage 3.5 mm	160 V	160 V	320 V									
Rated surge voltage 3.5 mm	2.5 kV	2.5 kV	2.5 kV									
Rated voltage 3.81 mm	200 V	320 V	500 V									
Rated surge voltage 3.81 mm	4 kV	4 kV	4 kV									
Nominal current	17,5 A	17,5 A	17,5 A	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			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Nominal current UL	6 A	-	6 A	12 A	-	10 A	12 A	-	10 A	12 A	-	10 A
Nominal current CSA	-	-	-	12 A	-	10 A	8 A	-	8 A	8 A	-	8 A

Conductor and solder pin data for 3.5/3.81 mm pin spacing:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 1.5 mm ²
Conductor size: fine-stranded	0.08 – 1.5 mm ²
Conductor size: fine-stranded	0.25 – 1.0 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with uninsulated ferrule)
AWG	28 – 14 (14: THHN, THWN)
Strip length	5 – 6 mm / 0.20 – 0.24 in
Conductor entry angle	90° to PCB
Solder pin: length/width	3.4 mm / 0.6 x 0.8 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Conductor and solder pin data for 5/5.08 mm and 7.5/7.62 mm pin spacing:

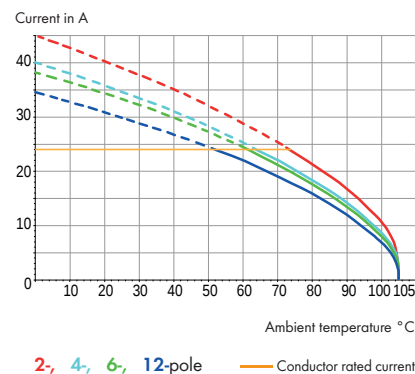
Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.08 – 2.5 mm ²
Conductor size: fine-stranded	0.25 – 1.5 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 – 2.5 mm ² (with uninsulated ferrule)
AWG	28 – 12 (12: THHN, THWN)
Strip length	8 – 9 mm / 0.31 – 0.35 in
Conductor entry angle	90° to PCB
Solder pin: length/width	3.2 mm / 0.8 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: 5 mm / Conductor size: 2.5 mm² "fst"
Based on: EN 60512-5-2 / Reduction factor: 1



Current-Carrying Capacity Curve for 3,5 mm and 3,81 mm, see www.wago.com

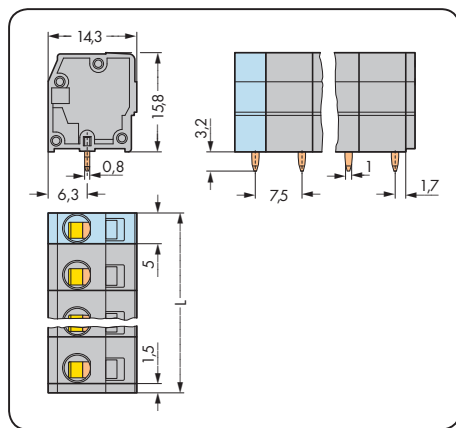
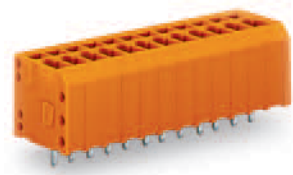
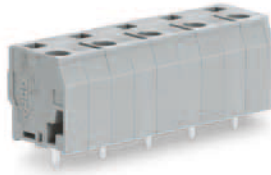
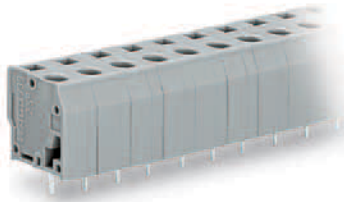
739 Series accessories:

Page:

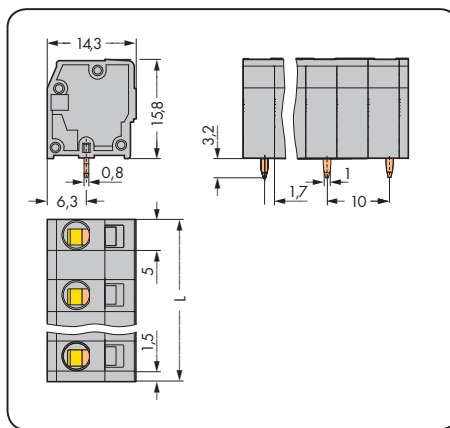
Marking accessories	540 – 543
Operating tools	526 – 528
Screws	546

PCB Terminal Strips 1.5 mm² and 2.5 mm²

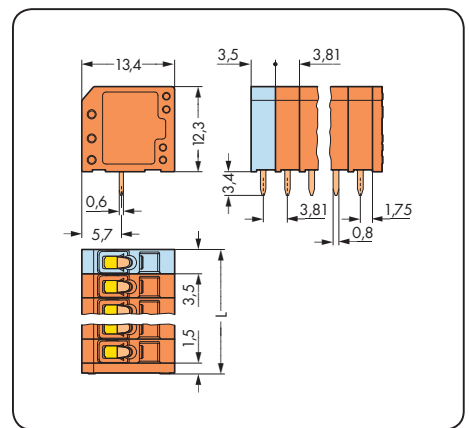
Pin spacing 7.5 mm / 0.295 in		Pin spacing 10 mm / 0.394 in		Pin spacing 3.81 mm / 0.15 in	
0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A	0,08 – 1,5 mm ² 320 V/4 kV/2 17,5 A	AWG 28 – 14 300 V/6 A	0.08 – 1.5 mm ² 320 V/4 kV/2 17.5 A	AWG 28 – 14 300 V/6 A



$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5 \text{ mm} + 1.5 \text{ mm}$$



$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5 \text{ mm} + 1.5 \text{ mm}$$



$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 3.5 \text{ mm} + 1.5 \text{ mm}$$

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip, 1 solder pin/pole, gray			Terminal strip, 1 solder pin/pole, gray			Terminal strip, 1 solder pin/pole, orange		
2	739-202	340 (4 x 85)	2	739-3202	520 (4 x 130)	2	739-332	520 (4 x 130)
3	739-203	220 (4 x 55)	3	739-3203	360 (4 x 90)	3	739-333	360 (4 x 90)
4	739-204	160 (4 x 40)	4	739-3204	280 (4 x 70)	4	739-334	280 (4 x 70)
5	739-205	120 (4 x 30)	5	739-3205	220 (4 x 55)	5	739-335	220 (4 x 55)
6	739-206	100 (4 x 25)	6	739-3206	180 (4 x 45)	6	739-336	180 (4 x 45)
7	739-207	80 (4 x 20)	7	739-3207	160 (4 x 40)	7	739-337	160 (4 x 40)
8	739-208	80 (4 x 20)	8	739-3208	140 (4 x 35)	8	739-338	140 (4 x 35)
9	739-209	60 (4 x 15)	9	739-3209	120 (4 x 30)	9	739-339	120 (4 x 30)
10	739-210	60 (4 x 15)	10	739-3210	120 (4 x 30)	10	739-340	120 (4 x 30)
12	739-212	40 (4 x 10)	11	739-3211	100 (4 x 25)	12	739-342	100 (4 x 25)
			12	739-3212	100 (4 x 25)			