

# SMD Terminal Blocks with Push-Buttons, 1.5 mm<sup>2</sup> 6 mm Pin Spacing 2061 Series



- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- Just 5.6 mm high
- Push-in termination of solid and ferruled conductors
- Push-buttons for easy connection and disconnection of all conductor types
- Available in tape-and-reel packaging for automated assembly

#### Technical data:

Pin Spacing	6 mm / 0.24 in				
Ratings per	IEC/EN 60664-1				
Overvoltage category	III	III	II		
Pollution degree	3	2	2		
Rated voltage	250 V	320 V	630 V		
Rated surge voltage	4 kV	4 kV	4 kV		
Nominal current	12 A	12 A	12 A		
Approvals per	UL				
Use group UL 1059	B	C	D		
Rated voltage, 1-pole	600 V	-	600 V		
Rated voltage, 2 or more poles	300 V	-	300 V		
Nominal current UL	10 A	-	10 A		

#### Conductor data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.5 - 1.5 mm <sup>2</sup>
Conductor size: fine-stranded	0.5 - 1.5 mm <sup>2</sup>
Conductor size: fine-stranded	0.5 - 0.75 mm <sup>2</sup> (with insulated ferrule)
Conductor size: fine-stranded	0.5 - 0.75 mm <sup>2</sup> (with uninsulated ferrule)
AWG	20 - 16
Strip length	7 - 10 mm / 0.28 - 0.39 in
Conductor entry	0° to PCB

#### Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

#### 2061 Series accessories:

#### Page:

Operating tool (206-861)	72
Operating tool (2061-189)	72

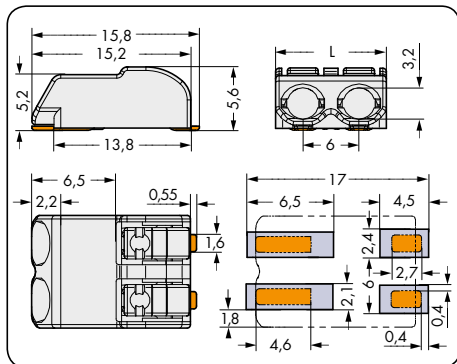
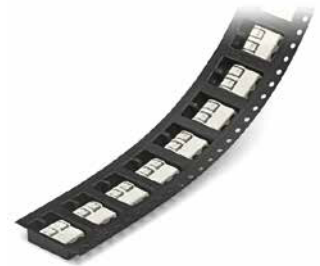
#### Application note:

Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260 °C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

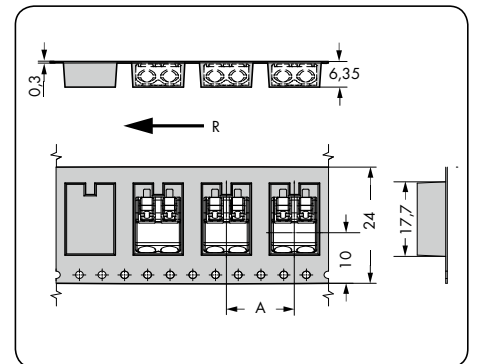
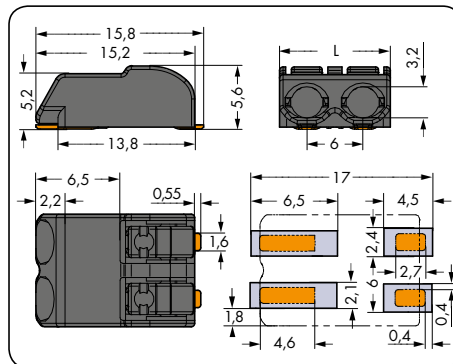
Recommendation for SMD positioning pattern: Material thickness, 150 µm. Stencil layout identical to pad layout.

# SMD Terminal Blocks with Push-Buttons, 1.5 mm<sup>2</sup>

Pin spacing: 6 mm / 0.24 in white		Pin spacing: 6 mm / 0.24 in black	
0.5 - 1.5 mm <sup>2</sup>	AWG 20 - 16	0.5 - 1.5 mm <sup>2</sup>	AWG 20 - 16
320 V/4 kV/2 12 A		320 V/4 kV/2 12 A	

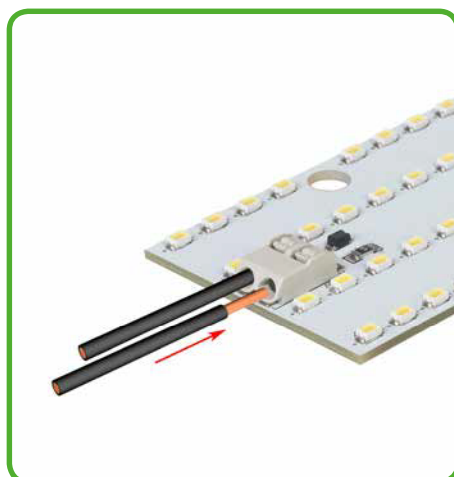


L = (pole no. x pin spacing) - 0.3 mm

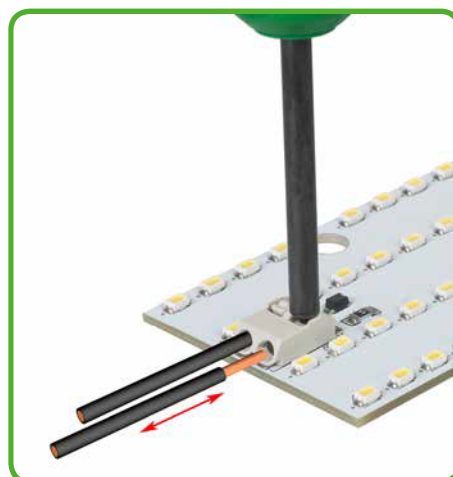


R = Feed direction  
A = 12 mm (1-pole)  
A = 16 mm (2-pole)  
A = 22 mm (3-pole)

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons in tape-and-reel packaging, white*			SMD terminal blocks with push-buttons in tape-and-reel packaging, black		
1	2061-601/998-404	8100 (9 x 900)	1	2061-621/998-404	8100 (9 x 900)
2	2061-602/998-404	6300 (9 x 700)	2	2061-622/998-404	6300 (9 x 700)
3	2061-603/998-404	4050 (9 x 450)	3	2061-623/998-404	4050 (9 x 450)
Reel diameter: 330 mm			Reel diameter: 330 mm		



Inserting solid conductors via push-in termination.



Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-861 operating tool).

\* Depending on reflow soldering temperatures and times, color deviations may occur for white connectors. These deviations will have no impact on functionality.