

SMD PCB Terminal Blocks with Push-Buttons, 1.5 mm² Pin Spacing: 6 mm 2061 Series



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

Technical data:

Pole No.	1 pole			2 and 3 pole		
	IEC/EN 60664-1			IEC/EN 60664-1		
Ratings per						
Overtoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	250 V	320 V	630 V	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV
Nominal current	17.5A	17.5A	17.5A	17.5A	17.5A	17.5A
Approvals per	UL			UL		
Use group UL 1059	B	C	D	B	C	D
Rated voltage	600 V	-	600 V	600 V	-	600 V
Nominal current UL	10 A	-	5 A	10 A	-	10 A

Conductor data:

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

Material data:

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

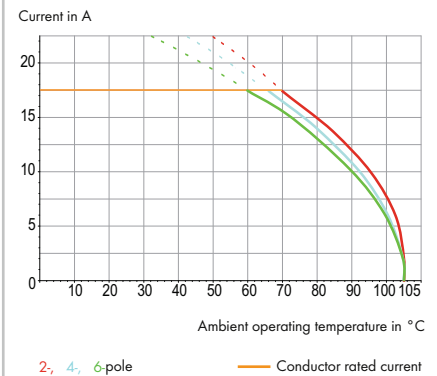
Application notes:

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), it is recommended that trial runs are conducted to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for stencil: Material thickness, 150 µm. Stencil layout identical to pad layout.

Current-Carrying Capacity Curve

Pin spacing: 6 mm / Conductor size 1.5 mm² "fst"
Based on: EN 60512-5-2 / Reduction factor: 1

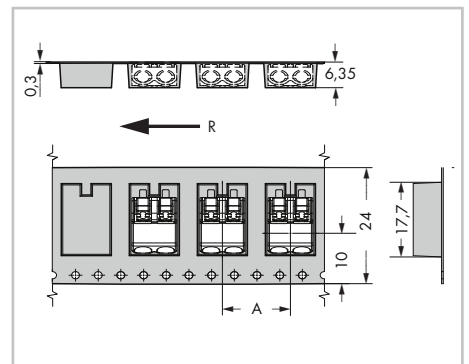
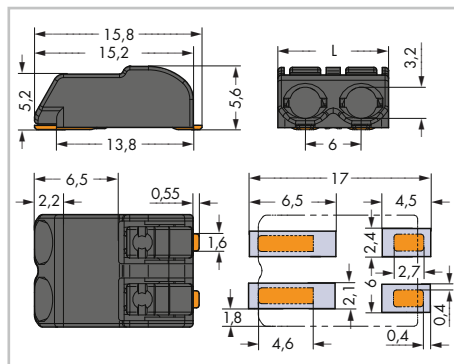
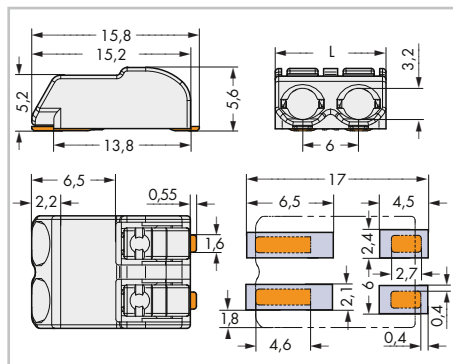


2061 Series accessories:

Pages:

Operating tool (206-861)	218
Operating tool (2061-189)	218

Pin spacing: 6 mm / 0.24 in.		Pin spacing: 6 mm / 0.24 in.		
0.5 ... 1.5 mm ²	20 ... 16 AWG	0.5 ... 1.5 mm ²	20 ... 16 AWG	
320 V/4 kV/2 17.5 A		320 V/4 kV/2 17.5 A		



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

R = Feed direction
 A = 12 mm (1-pole)
 A = 16 mm (2-pole)
 A = 24 mm (3-pole)

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
SMD PCB terminal block with push-buttons in tape-and-reel packaging, white*			SMD PCB 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.