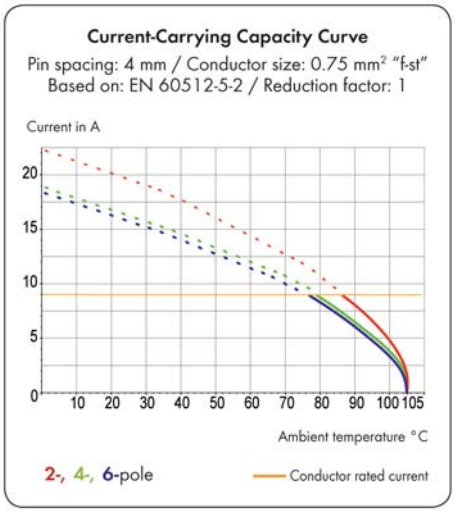
Surface Mount Terminal Blocks with Push-Buttons
Pin Spacing 4 mm, 8 mm
2060 Series

- Surface mount terminal blocks with CAGE CLAMP®S connection and push-buttons
- Direct push-in of solid conductors
- Push button for connection of stranded conductors, and for removal of all wire types
- A total height of only 4.5mm helps minimize shadowing in LED applications
- Packaged in tape-and-reel for automated SMT processes
- Large flat area for easy pick-n-place
- Wiring ports with balcony design – creates "lead-in" for ease of wiring, even at a slight angle

Technical data:

Pin Spacing	4 mm 0.157 in			8 mm 0.314 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	9 A	9 A	9 A	9 A	9 A	9 A
Approvals per						
Rated voltage, 1-pole	600 V			–		
Rated voltage for 2-poles and more	250 V			600 V		
Nominal current UL	9 A			9 A		
Nominal current CSA	6 A			6 A		



Conductor data:

Connection technology	CAGE CLAMP®S
Conductor size: solid	0.20 – 0.75 mm²
Conductor size: fine-stranded	0.20 – 0.75 mm²
AWG	24 – 18
Strip length	6 – 7 mm / 0.24 – 0.28 in
Conductor entry angle	0° to PCB

Material data:

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

2060 Series accessories:

Operating Tools	**233-335**
Shorting Bar	**2000-402**
Interconnecting Link	**2060-90x**

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.

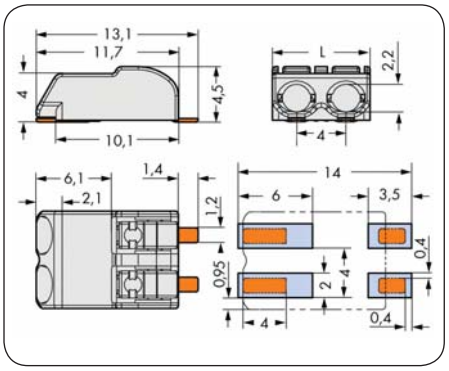
Depending on reflow soldering temperatures and times, color deviations may occur for light gray connectors. These deviations will have no impact on functionality.

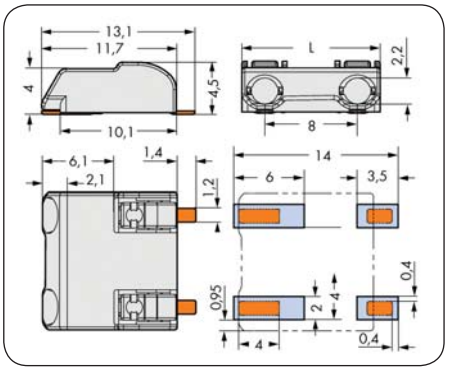
*For applications requiring upper temperature limit higher than 105°C, contact factory. Restrictions may apply.

Surface Mount Terminal Blocks with Push-Buttons
2060 Series

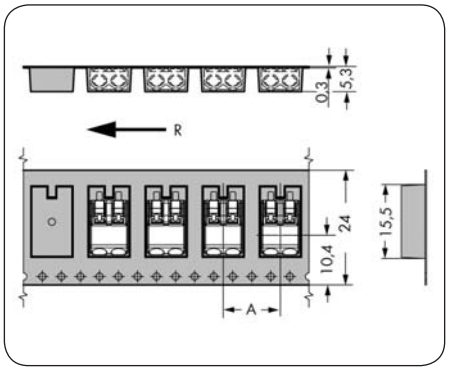
CAGE CLAMP®

Pin spacing 4 mm / 0.157 in			Pin spacing 8 mm / 0.314 in		
0.2 - 0.75 mm²	AWG 24 - 18		0.2 - 0.75 mm²	AWG 24 - 18	
160 V/2.5 kV/2 9 A	1p	2 - 3p	630 V/6 kV/2 9 A	600 V/9 A	
	600 V/9 A	250 V/9 A		600 V/6 A	
	600 V/6 A	250 V/6 A			





L = (pole no. x pin spacing) - 0.1 mm



R = Feed direction
A = (pole no. x pin spacing) + 4 mm

Pole No.	Item No.	Pack Unit/ Pieces per Reel
Surface mount terminal blocks with push-buttons in tape-and-reel packaging		
1	**2060-401/998-404** ○	1500
2	**2060-402/998-404** ○	1000
3	**2060-403/998-404** ○	750
1	**2060-421/998-404** ●	1500
2	**2060-422/998-404** ●	1000
3	**2060-423/998-404** ●	750
Reel diameter: 330 mm		

Pole No.	Item No.	Pack Unit/ Pieces per Reel
Surface mount terminal blocks with push-buttons in tape-and-reel packaging		
2	**2060-802/998-404** ○	1000
Reel diameter: 330 mm		

Group arrangement is possible without altering pad layout.

Inserting solid conductors via push-in termination.

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 233-335 operating tool or a ball point pen).

2000-402 Shorting Bar – used to complete the circuit at the end of a string of linear LED modules, e.g., insert with WAGO logo facing upward, and at a slight angle so the bottom of the housing clears the bottom edge of the terminal block wire entry opening.