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SMD Terminal Blocks

Small is Big



WAGO®

SMD Terminal Blocks

A compact and flat printed circuit board connection is required to achieve the most uniform light distribution, while minimizing shadowing. WAGO's SMD terminal blocks, with their combination of flat design and wide range of potential uses, completely cover these functionality demands.

Furthermore, assembling 1-, 2- and 3-pole terminal blocks without losing any poles provides complete flexibility with a reduced number of variants. All SMD terminal blocks come in tape-and-reel packaging to ensure full integration into an automated assembly process.

Applications:

The SMD family offers many advantages allowing for a wide range of applications. From compact, conventionally wired LED spotlights up to industrially wired, recessed ceiling luminaires, WAGO's three SMD terminal block series are the perfect connection between driver and module.

The terminal blocks accommodate a broad range of conductors making them highly versatile for worldwide applications.



Benefits:

- Low profile minimizes on-board shadowing
- Direct push-in of solid conductors
- Terminal strips of different lengths can be mounted without losing any poles allowing for a reduced number of variants and lower production costs
- Available in 1-3 pole configurations
- Delivery in tape-and-reel packaging for full integration into SMT soldering process
- Potential for significant savings via automated pick-and-place assembly



2060 Series

For Manual and Automated Wiring Systems

- 4.5 mm high
- Pin spacing: 4 mm
- Terminates conductors from 24 to 18 AWG (0.2 - 0.75 mm²)
- Direct push-in of solid conductors
- Push-buttons for easy connection and removal of all types of conductors
- Rated data: 160 V, 2.5 kV/2 (III), 9 A
- Available in 1-, 2- and 3-pole configurations
- Group arrangement is possible without losing any poles
- Available in tape-and-reel packaging



Inserting solid conductors via push-in termination.

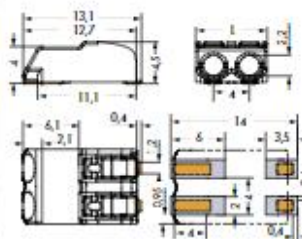


Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g. using a 206-860 operating tool).



2060 Series, 4 mm Pin Spacing

Pin Spacing	4 mm / 0.157 in	Conductor Data	
Ratings per	IEC/EN 60664-1	Connection technology	CAGE CLAMP® S
Overvoltage category	III III II	Conductor size: solid	0.2 - 0.75 mm ²
Pollution degree	3 2 2	Conductor size: fine-stranded	0.2 - 0.75 mm ²
Rated voltage	63 V 160 V 320 V	Conductor size: fine-stranded	0.25 - 0.34 mm ² (with insulated ferrule)
Rated surge voltage	2.5 kV 2.5 kV 2.5 kV	Conductor size: fine-stranded	0.25 - 0.34 mm ² (with uninsulated ferrule)
Rated current	9 A 9 A 9 A	AWG	24 - 18
Approvals per	UL 1977	Strip length	7 - 9 mm / 0.28 - 0.35 in
Rated voltage, 1-pole	600 V		
Rated voltage, 2 or more poles	250 V		
Rated current (UL)	9 A		
Pole No.	Item No.	Pack. Unit	
SMD terminal blocks with push-buttons in tape-and-reel packaging, white			Reel diameter: 330 mm
1	2060-451/998-404	13500 (9 x 1500)	
2	2060-452/998-404	9000 (9 x 1000)	
3	2060-453/998-404	6750 (9 x 750)	



2060 Series

Pin Spacing: 8 mm

The 2-pole SMD terminal block with 8 mm pin spacing has been added to WAGO's portfolio, providing higher rated voltages up to 630 V/6 kV/2 in LED and industrial applications.

Board-To-Board Link

Besides standard wiring, several LED modules can be easily assembled into a single string using board-to-board connection links. This minimizes labor (no manual wiring) and materials needed for connecting LED modules.

THR and Wave Soldering

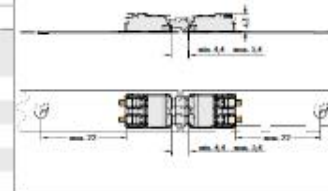
WAGO's 2060 Series THR PCB Terminal Blocks with soldering pins are ideally suited for THR and wave soldering. The 2060 Series THR terminal blocks are available in light gray and black. Additional information at www.wago.com/2060



Assembly: Place PCBs on a flat surface and connect terminal blocks on adjoining PCBs via board-to-board link.
Disassembly: Pull PCBs apart (max. 10 connectors/disconnections).
The PCBs must be secured.

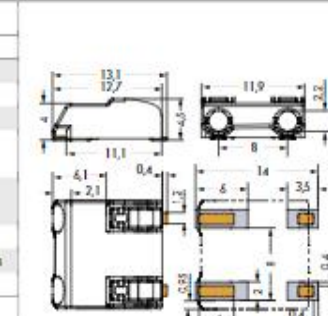
2060 Series, Board-to-Board Connection Link

Pin Spacing	4 mm / 0.157 in	Pole No.	Item No.	Pack. Unit
Ratings per	IEC/EN 60664-1	Board-to-board link for SMD terminal blocks with push-buttons		
Overvoltage category	III III II			
Pollution degree	3 2 2			
Rated voltage	63 V 160 V 320 V	1	2060-901	1500
Rated surge voltage	2.5 kV 2.5 kV 2.5 kV	2	2060-902	500
Rated current	9 A 9 A 9 A	3	2060-903	375



2060 Series, 8 mm Pin Spacing

Pin Spacing	8 mm / 0.314 in	Conductor Data	
Ratings per	IEC/EN 60664-1	Connection technology	CAGE CLAMP® S
Overvoltage category	III III II	Conductor size: solid	0.2 - 0.75 mm ²
Pollution degree	3 2 2	Conductor size: fine-stranded	0.2 - 0.75 mm ²
Rated voltage	400 V 630 V 1000 V	Conductor size: fine-stranded	0.25 - 0.34 mm ² (with insulated braid)
Rated surge voltage	6 kV 6 kV 6 kV	Conductor size: fine-stranded	0.25 - 0.34 mm ² (with uninsulated braid)
Rated current	9 A 9 A 9 A	AWG	24 - 18
Approvals per	UL 1977	Strip length	7 - 9 mm / 0.28 - 0.35 in
Rated voltage (UL)	600 V		
Rated current (UL)	9 A		



Pole No.	Item No.	Pack. Unit
		SMD terminal blocks with push-buttons in tape-and-reel packaging, white
2	2060-852/998-404	6750 (9 x 750)