

SMD Terminal Blocks 0.34 mm² Pin Spacing 3 mm, white 2059 Series



- SMD terminal blocks with PUSH WIRE® connection
- Inserting solid conductors via push-in termination
- Easy conductor removal, via operating tool
- A total height of only 2.7 mm
- Group arrangement is possible without losing any poles
- Delivery in tape-and-reel packaging for automated assembly

Technical data:

Pin Spacing	3 mm 0.118 in		
Rating per	IEC/EN 60664-1		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	63 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Nominal current	3 A	3 A	3 A
Approvals per			
Rated voltage, 1-pole			
Rated voltage for 2 poles and more			
Nominal current UL			

Conductor data:

Connection technology	PUSH WIRE
Conductor size: solid	0.14 - 0.34 mm ²
AWG	26 - 22 "sol."
Strip length	4 - 5.5 mm / 0.16 - 0.22 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
Clamping spring material	Copper alloy
Contact plating	tin-plated

2059 Series accessories:

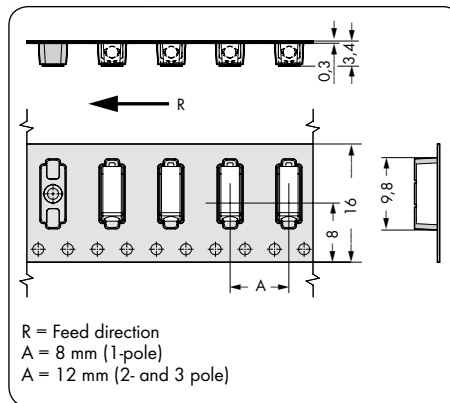
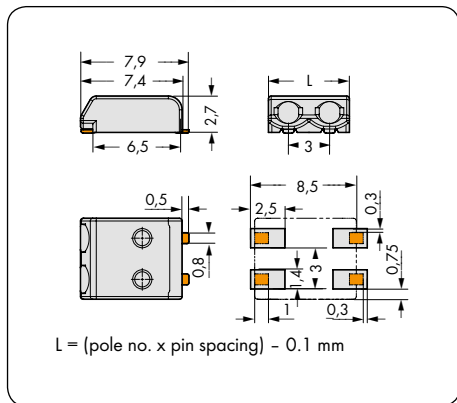
Operating tool (206-859)
Operating tool (2059-189)

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.

Pin spacing 3 mm / 0.118 in	
0.14 - 0.34 mm ² "sol." 160 V/2.5 kV/2 3 A	AWG 26 - 22 "sol."



Pole No.	Item No.	Pack. Unit
SMD terminal blocks in tape-and-reel packaging, white*		
1	2059-301/998-403	31800 (12 x 2650)
2	2059-302/998-403	21000 (12 x 1750)
3	2059-303/998-403	21000 (12 x 1750)
Reel diameter: 330 mm		



Inserting solid conductors via push-in termination.



Easy conductor removal, e.g., via 206-859 operating tool.

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