



SMD PCB terminal block; 0.5 mm²; Pin spacing 3 mm; 2-pole; PUSH WIRE®; in tape-and-reel packaging

Item No.: 2059-302/998-403



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Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	2059-302/998-403
GTIN / EAN	4055143082686
Content	1

Notes

Item description:SMD terminal blocks with PUSH WIRE® connection technologyPush-in termination of solid wiresEasy conductor removal, e.g., via operating tool Just 2.7 mm highGroup arrangement is possible without losing any polesAvailable in tape-and-reel packaging for automated assemblyNote:
Application note:Suitable for lead-free, reflow-soldering profiles per 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:Recommendation for SMD stencil:Material thickness, 150 µm. Pattern layout identical to solder pad layout.

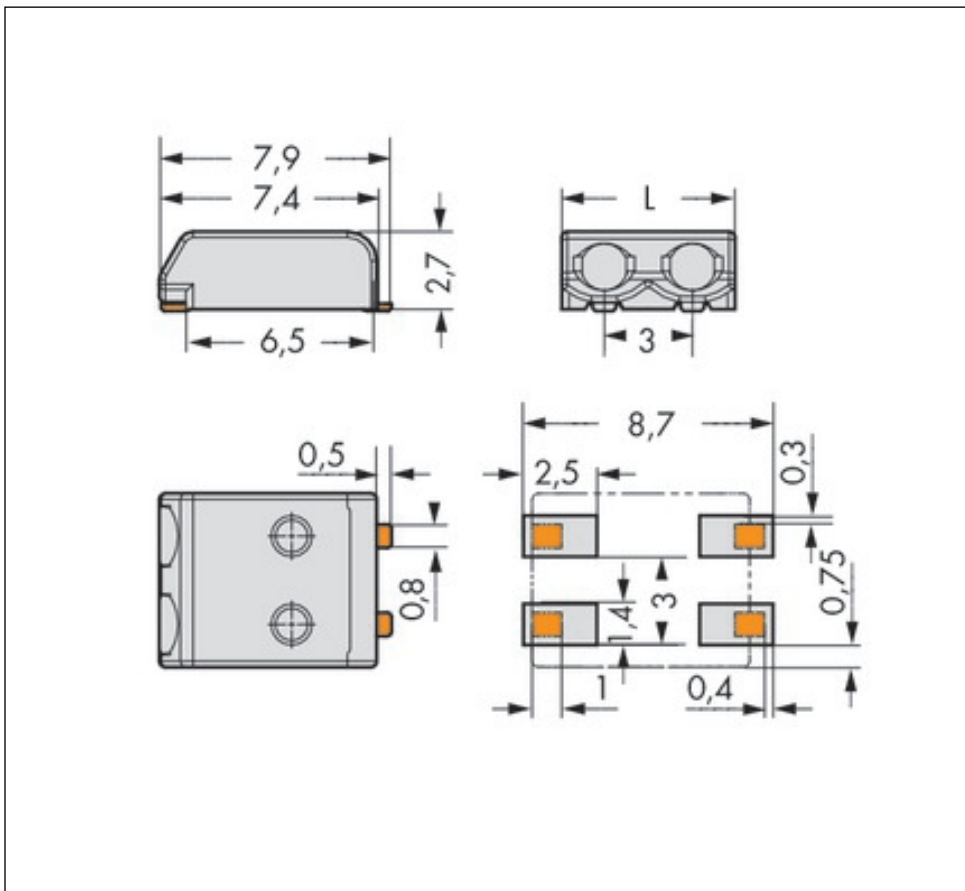
Technical data

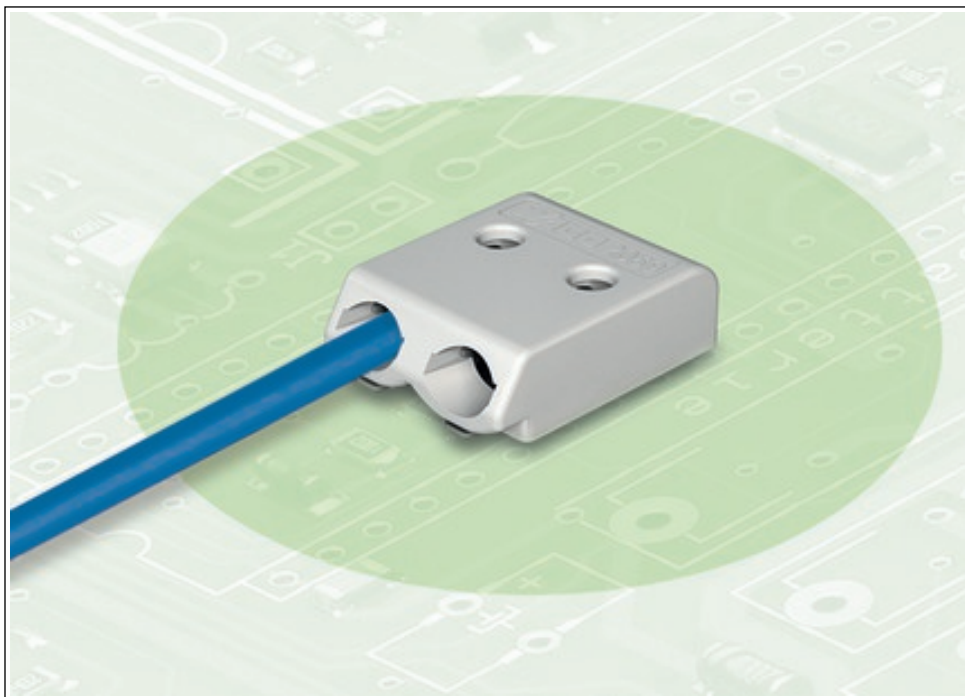
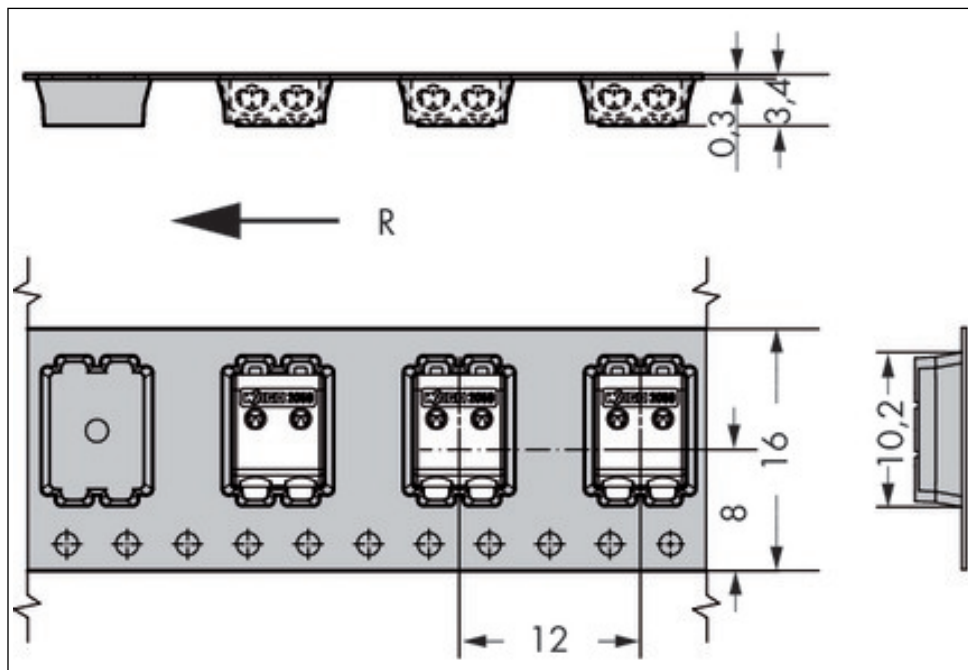
Technical data	
Miscellaneous	
<i>Ratings per</i>	<i>IEC/EN 60664-1</i>
<i>Rated voltage (III / 3) [V]</i>	<i>63 [V]</i>
<i>Rated impulse voltage (III / 3) [kV]</i>	<i>2.5 [kV]</i>
<i>Rated voltage (III/2) [V]</i>	<i>160 [V]</i>
<i>Rated impulse voltage (III / 2) [kV]</i>	<i>2.5 [kV]</i>
<i>Rated voltage (II / 2) [V]</i>	<i>320 [V]</i>
<i>Rated impulse voltage (II / 2) [kV]</i>	<i>2.5 [kV]</i>
<i>Rated current [A]</i>	<i>3 [A]</i>
<i>Legend (ratings)</i>	<i>(III / 2) Overvoltage category III / Pollution degree 2</i>
<i>No. of poles</i>	<i>2</i>
<i>Total number of connection points</i>	<i>2</i>
<i>Total number of potentials</i>	<i>2</i>
<i>Number of connection types</i>	<i>1</i>
<i>Number of levels</i>	<i>1</i>
<i>Connection technology</i>	<i>PUSH WIRE®</i>
<i>Actuation type</i>	<i>Operating tool</i>
<i>Solid conductor</i>	<i>0.14 ... 0.34 mm² / 26 ... 22 AWG</i>
<i>Strip length</i>	<i>6 ... 7.5 mm / 0.24 ... 0.3 Inch</i>
<i>Solid conductor (2)</i>	<i>0.5 mm² / 20 AWG</i>
<i>Pin spacing</i>	<i>3 mm (0.118 in)</i>
<i>Width</i>	<i>5.9 mm / 0.232 Inch</i>
<i>Height</i>	<i>2.7 mm / 0.106 Inch</i>
<i>Depth</i>	<i>7.9 mm / 0.311 Inch</i>
<i>Reel diameter of tape-and-reel packaging [mm]</i>	<i>330 [mm]</i>
<i>Tape width [mm]</i>	<i>16 [mm]</i>
<i>PCB contact</i>	<i>SMD</i>
<i>Color</i>	<i>white</i>
<i>Material group</i>	<i>I</i>
<i>Insulating material</i>	<i>Polyphtalamide (PPA GF)</i>
<i>Flammability class per UL94</i>	<i>V0</i>
<i>Contact material</i>	<i>Copper alloy</i>
<i>Contact plating</i>	<i>tin-plated</i>

Technical data	
<i>Weight [g]</i>	<i>0.162 [g]</i>
<i>Limit temperature range</i>	<i>-60 ... 105 °C</i>
<i>Pin spacing from [in]</i>	<i>0.118 [in]</i>
<i>Pin spacing from [mm]</i>	<i>3 [mm]</i>
<i>Main product function</i>	<i>PCB terminal block</i>
<i>Product type</i>	<i>PCB terminal blocks</i>

Images & drawings









Address

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Technische Änderungen und Irrtümer vorbehalten.