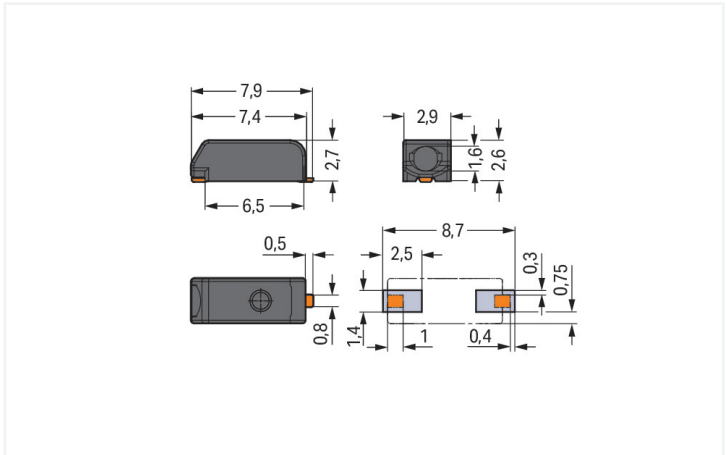
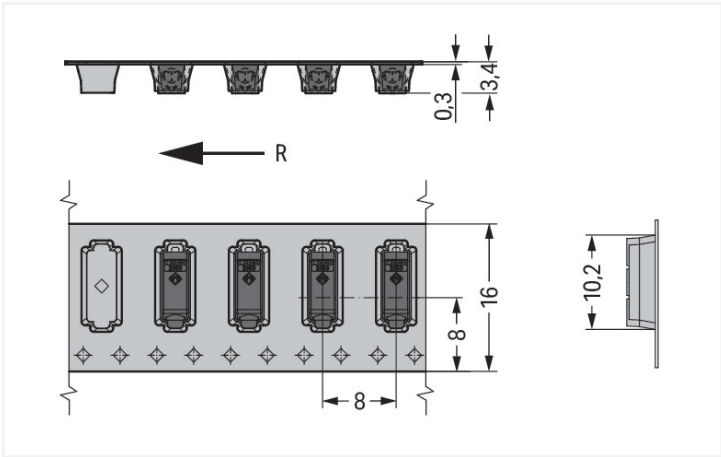




Color: ■ black



Dimensions in mm



Dimensions in mm
R = feed direction

- SMD PCB terminal blocks with PUSH WIRE® connection technology
- Push-in termination of solid conductors
- Easy conductor removal via operating tool
- Just 2.7 mm tall
- Assemble terminal blocks without pole loss
- Available in tape-and-reel packaging for automated assembly

Notes	
Note	Application notes: 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 application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions. Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.
Recommendation	Recommendation for stencil: 150 µm material thickness; Pattern layout identical to solder pad layout



Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		63 V	160 V	320 V
Rated surge voltage		2.5 kV	2.5 kV	2.5 kV
Rated current		3 A	3 A	3 A
Approvals per				
Rated voltage		600 V		
Rated current		3 A		
Connection data				
Connection points		1		
Total number of potentials		1		
Number of connection types		1		
Number of levels		1		
Connection 1				
Connection technology		PUSH WIRE®		
Actuation type		Operating tool		
Solid conductor		0.14 ... 0.34 mm² / 26 ... 22 AWG		
Note (conductor cross-section)		For conductors (26 AWG) that are not rigid enough, the clamping unit must be opened using an operating tool.		
Strip length		4 ... 5.5 mm / 0.16 ... 0.22 inches		
Conductor connection direction to PCB		0 °		
Pole number		1		
Connection 2				
Solid conductor 2		0.5 mm² / 20 AWG		
Note (conductor cross-section) 2		No reconnection of smaller conductor cross-sections (0.5 mm²/20 AWG)		
Strip length 2		6 ... 7.5 mm / 0.24 ... 0.3 inches		
Physical data				
Pin spacing		3 mm / 0.118 inches		
Width		2.9 mm / 0.114 inches		
Height		2.7 mm / 0.106 inches		
Depth		7.9 mm / 0.311 inches		
Reel diameter of tape-and-reel packaging		330 mm		
Tape width		16 mm		
PCB contact				
PCB contact		SMD		
Solder pin arrangement		over the entire terminal strip (in-line)		
Number of solder pins per potential		2		
Material data				
Note (material data)		Information on material specifications can be found here		
Color		black		
Material group		I		
Insulation material		Polyphthalamide (PPA GF)		
Flammability class per UL94		V0		
Contact material		Copper alloy		
Contact plating		Tin		
Fire load		0.001 MJ		
Weight		0.1 g		



Environmental requirements	
Limit temperature range	-60 ... +105 °C

Commercial data	
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	31800 (2650) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143476584
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7819
CCA DEKRA Certification B.V.	EN 60947-7-4	71-111131
CCA DEKRA Certification B.V.	EN 60838	NTR NL-7720
KEMA/KEUR DEKRA Certification B.V.	EN 60838	71-106226

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 2059-321/998-403	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	PCB Design
2D/3D Models 2059-321/998-403	Symbol and Footprint via SamacSys 2059-321/998-403
	Symbol and Footprint via Ultra Librarian 2059-321/998-403

1 Compatible Products

1.1 Optional Accessories

1.1.1 Board-to-board link

1.1.1.1 Board-to-board link



Item No.: 2059-901
Board-to-Board Link; Pin spacing 3 mm;
1-pole; Length: 15.3 mm; white



Item No.: 2059-901/018-000
Board-to-Board Link; Pin spacing 3 mm;
1-pole; Length: 17.5 mm; white



Item No.: 2059-901/021-000
Board-to-Board Link; Pin spacing 3 mm;
1-pole; Length: 20.5 mm; white

1.1.2 Tool

1.1.2.1 Operating tool



Item No.: 206-859
Operating tool; for 2059 Series; multicoloured



Item No.: 2059-189
Operating tool; made of insulating material; for 2059 Series

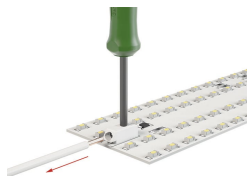
Installation Notes

Conductor termination



Insert solid conductors via push-in termination.

Conductor termination



Easy conductor removal, e.g., via operating tool (Item No. 206-859) or "twist & pull" (max. 10 x, no reconnection of smaller conductors possible)