

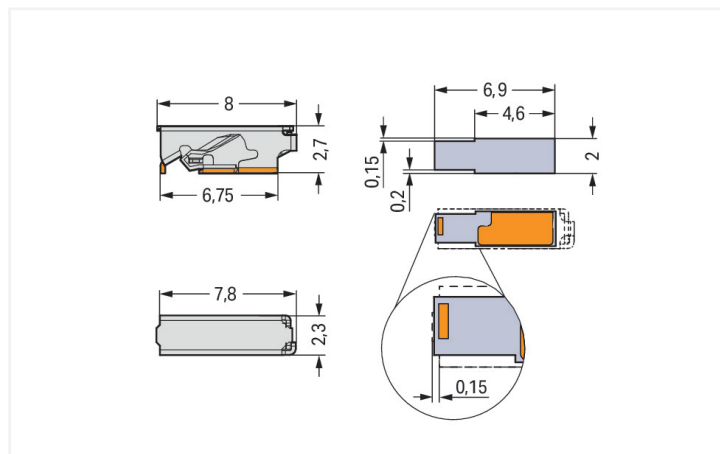
Data Sheet | Item Number: 2065-101/998-403

SMD PCB terminal block; 0.75 mm²; Pin spacing 6 mm; 1-pole; PUSH WIRE®; in tape-and-reel packaging; Without housing; silver-colored

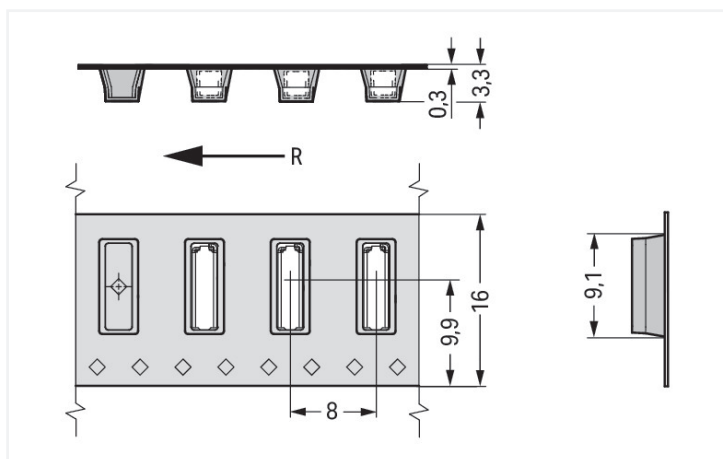
<https://www.wago.com/2065-101/998-403>



Color: ■ silver-colored



Dimensions in mm



Dimensions in mm
R = feed direction

PCB terminal block, 2065 Series, 0° conductor entry to board

Our PCB terminal block (item number 2065-101/998-403) makes connecting wires quick and easy. You can rely on trusted safety with these PCB terminal blocks, perfect for a wide range of applications when designing your devices. Ensure that the strip lengths are between 7.5 and 9.5 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. Dimensions: (2.3 x 2.7 x 8) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 0.75 mm².

The contact surface is coated with tin. A push-in is used to operate this PCB terminal block. SMD is used to assemble the PCB terminal block. The conductor is designed to be inserted at an angle of 0°.

In terms of size, the 2065 Series focuses on the essentials and boasts an elegant design. A contact frame and spring – that's everything required to reliably connect solid and fine-stranded conductors. The silver rectangular contact with its seamless tunnel cover and rounded edges makes it particularly robust. The terminal block is also extremely slim, saving space on the PCB and reducing on-board shadowing. The conductor entry is slanted upward to make wiring easier. The frame's openings not only allow termination of fine-stranded conductors via the clamping unit, they also allow a clear view of the technology behind it.

Notes	
Safety Information	Notice: Terminal block without insulation housing! Protection against accidental contact must be provided at voltages higher than low voltages (e.g., SELV/PELV) for the relevant application.
Note	The ratings are based on an example pin spacing of 6 mm. The layout must meet the requirements of the insulation coordination standard EN/IEC 60664-1 and applicable end product standards.

Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category		III	II
Pollution degree		3	2
Nominal voltage		250 V	630 V
Rated impulse withstand voltage		-	4 kV
Rated current		9 A	9 A

Approvals per		UL 1977
Rated voltage		600 V
Rated current		9 A

Connection Data	
Clamping units	1
Total number of potentials	1
Number of connection types	1
Number of levels	1

Connection 1	
Connection technology	PUSH WIRE®
Actuation type	Push-in
Solid conductor	0.2 ... 0.75 mm² / 24 ... 18 AWG
Strip length	7.5 ... 9.5 mm / 0.3 ... 0.37 inches
Conductor connection direction to PCB	0 °
Pole number	1

Physical data	
Pin spacing	6 mm / 0.236 inches
Width	2.3 mm / 0.091 inches
Height	2.7 mm / 0.106 inches
Depth	8 mm / 0.315 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	1

Material data	
Note (material data)	Information on material specifications can be found here
Color	silver-colored
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy
Contact Plating	Tin
Weight	0.1 g



Environmental requirements

Limit temperature range	-60 ... +120 °C	
Environmental Testing		
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200);2022-06	
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106);2011-04	
Spectrum/Mounting location	Service life test, Category 1, Class A/B	
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	
Acceleration	0.101g (highest test level used for all axes)	
Test duration per axis	10 min.	
Test directions	X, Y and Z axes	
Monitoring of contact faults and interruptions	Passed	
Voltage drop measurement before and after each axis	Passed	
Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard	
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	
Acceleration	0.572g (highest test level used for all axes)	
Test duration per axis	5 h	
Test directions	X, Y and Z axes	
Extended testing: Monitoring of contact faults and interruptions	Passed	
Extended testing: Voltage drop measurement before and after each axis	Passed	
Shock test	Test passed according to Section 10 of the standard	
Shock pulse form	Half sine	
Acceleration	5g (highest test level used for all axes)	
Shock duration	30 ms	
Number of shocks (per axis)	3 pos. und 3 neg.	
Test directions	X, Y and Z axes	
Extended testing: Monitoring of contact faults and interruptions	Passed	
Extended testing: Voltage drop measurement before and after each axis	Passed	
Vibration and shock stress for rolling stock equipment	Passed	

Commercial data

PU (SPU)	31800 (2650) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143665438
Customs tariff number	85369010000



Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
  		
Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	EN 60947-7-4	NL-63702
CB DEKRA Certification B.V.	IEC 60998	NL-63703
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-112513
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-112514
UR Underwriters Laboratories Inc.	UL 1977	UL-CA-2125131-1
Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Z00004397.000
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 2065-101/998-403	

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2065-101/998-403	ZUKEN Portal 2065-101/998-403

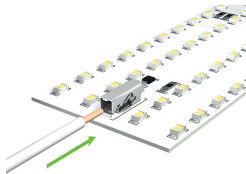
PCB Design	
Symbol and Footprint via SamacSys 2065-101/998-403	↓
Symbol and Footprint via Ultra Librarian 2065-101/998-403	↓

1 Compatible Products
1.1 Optional Accessories
1.1.1 Board-to-board link
1.1.1.1 Board-to-board link



Item No.: 2065-131 Board-to-Board Link; Pin spacing 6.5 mm; Length: 15.6 mm; silver-colored	Item No.: 2065-133 Board-to-Board Link; Pin spacing 6.5 mm; Length: 17.6 mm; silver-colored
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Installation Notes
Conductor termination



PUSH WIRE® version without push-buttons:
Even more space savings when using exclu-
sively solid conductors