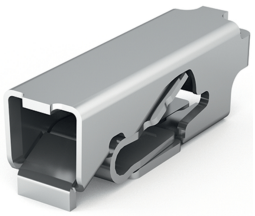
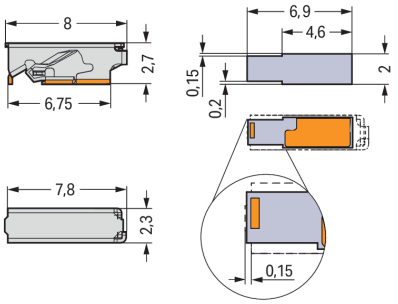
Data Sheet | Item Number: 2065-101/998-403

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

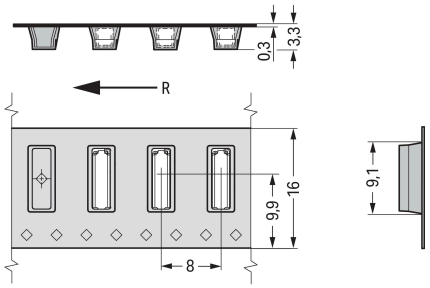
https://www.wago.com/2065-101/998-403



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	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated impulse withstand voltage	-	4 kV	4 kV
Rated current	9 A	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

Continued on next page

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

Continued on next page

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

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

Declarations of conformity and manufacturer's declarations

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	

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
2065-101/998-403

CAE data

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



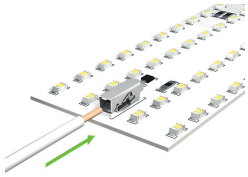
Item No.: 2065-131
Board-to-Board Link; Pin spacing 6.5 mm; Length: 15.6 mm; silver-colored



Item No.: 2065-133
Board-to-Board Link; Pin spacing 6.5 mm; Length: 17.6 mm; silver-colored

Installation Notes

Conductor termination



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