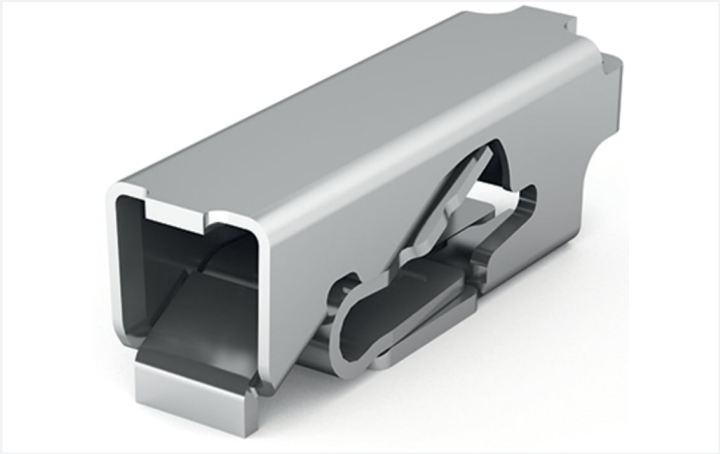
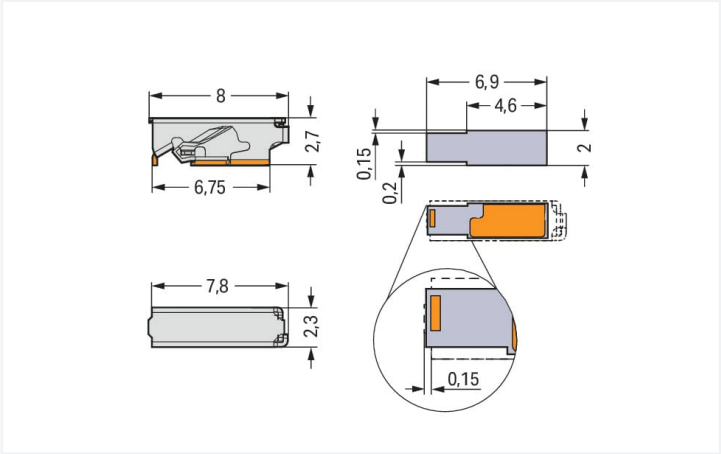
Data Sheet | Item Number: 2065-101/998-403

SMD PCB terminal block; 0.75 mm²; Pin spacing 6 mm; 1-pole; PUSH WIRE®; in tape-and-reel packaging; Without housing; 0,75 mm²; silver-colored

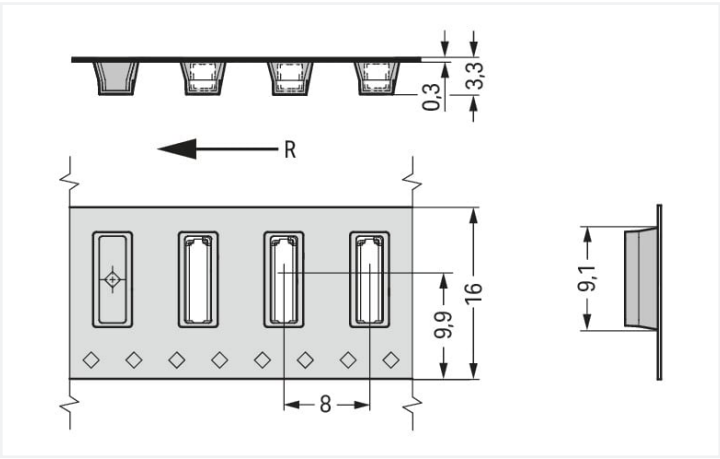
https://www.wago.com/2065-101/998-403



Color: silver-colored



Dimensions in mm



Dimensions in mm
R = feed direction

- SMD PCB terminal block with PUSH WIRE® connection technology
- Push-in termination of solid conductors
- Just 2.7 mm tall
- Available in tape-and-reel packaging for automated assembly

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 surge 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
Fire load	0 MJ
Weight	0.1 g

Environmental requirements

Limit temperature range	-60 … +120 °C

Environmental Testing (Environmental Conditions)

Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f_1 = 5 Hz to f_2 = 150 Hz f_1 = 5 Hz to f_2 = 150 Hz
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
Test duration per axis	10 min. 5 h

Continued on next page

Environmental Testing (Environmental Conditions)

Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

Commercial data

eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
PU (SPU)	31800 (2650) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143665438
Customs tariff number	85369010000

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	-	-

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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

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

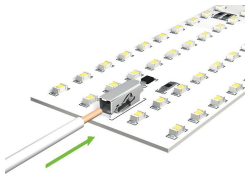
1.1.1.1 Board-to-board link

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