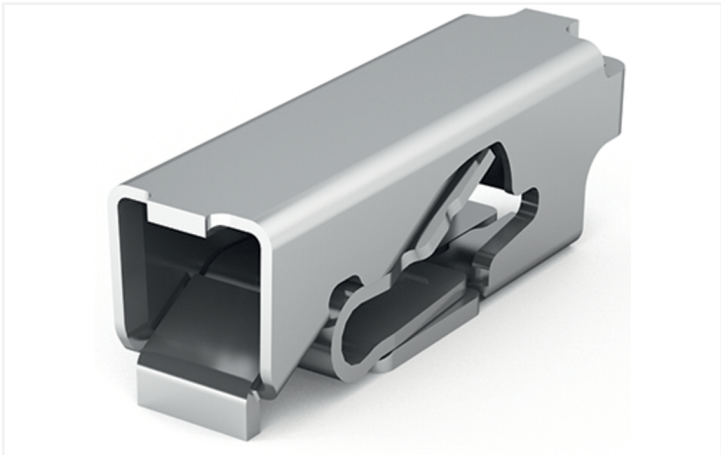
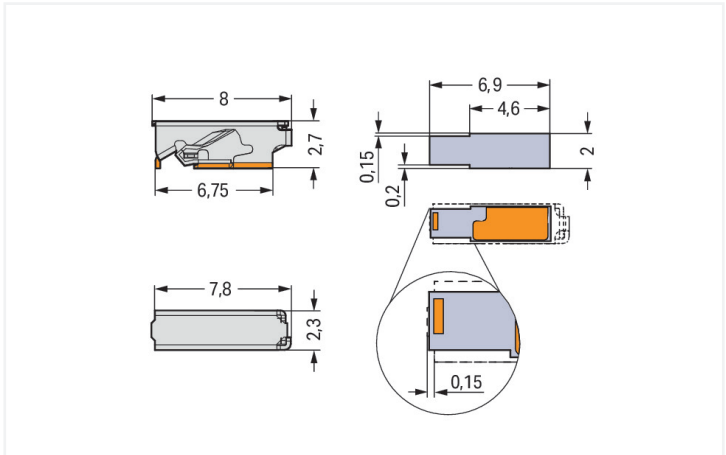


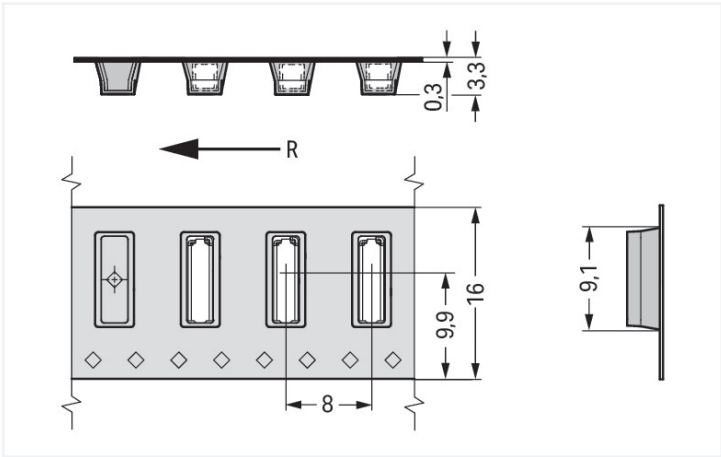
**Data Sheet | Item Number: 2065-101/998-403**  
SMD PCB terminal block; 0.75 mm²; Pin spacing 6 mm; 1-pole; PUSH WIRE®; in ta-  
pe-and-reel packaging; Without housing; silver-colored  
<https://www.wago.com/2065-101/998-403>



Color: ■ silver-colored



Dimensions in mm



Dimensions in mm  
R = feed direction

PCB terminal block, 2065 Series, with 6 mm pin spacing

Quick and easy connections are guaranteed with this PCB terminal block (item number 2065-101/998-403). You can count on tried and tested safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. Our PCB terminal block is rated for 320 V and is designed to handle a rated current of up to 9 A. Ensure that the strip lengths are between 7.5 mm 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 offers a quick and easy solution for connecting solid conductors. 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. Up to one potential / one pole can be connected to this terminal block using one clamping point on one level. The clamping spring is made of chrome-nickel spring steel (CrNi) and the contacts are made of copper alloy. Tin is used for coating the contact surfaces. This PCB terminal block is operated with a push-in. The PCB terminal block is designed for SMD soldering. Insert the conductor at a 0° angle..

Notes

Safety Information

Note

**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.**

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 |       |       |       | Approvals per UL 1977 |       |
|----------------------------|-------|-------|-------|-----------------------|-------|
| Overvoltage category       | III   | III   | II    | Rated voltage         | 600 V |
| Pollution degree           | 3     | 2     | 2     | Rated current         | 9 A   |
| Nominal voltage            | 250 V | 320 V | 630 V |                       |       |
| Rated surge voltage        | -     | 4 kV  | 4 kV  |                       |       |
| Rated current              | 9 A   | 9 A   | 9 A   |                       |       |

Connection data

|                            |   |                                       |                                      |
|----------------------------|---|---------------------------------------|--------------------------------------|
| Clamping units             | 1 | Connection 1                          |                                      |
| Total number of potentials | 1 | Connection technology                 | PUSH WIRE®                           |
| Number of connection types | 1 | Actuation type                        | Push-in                              |
| Number of levels           | 1 | 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)     | <a href="#">Information on material specifications can be found here</a> |
| 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                                                                               |                                          |
|                         |                 | Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment            | DIN EN 50155 (VDE 0115-200):2022-06      |
|                         |                 | Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04     |
|                         |                 | Spectrum/Mounting location                                                                          | Service life test, Category 1, Class A/B |



| Environmental Testing                                                           |                                                     |
|---------------------------------------------------------------------------------|-----------------------------------------------------|
| Functional test with noise-like oscillations                                    | Test passed according to Section 8 of the standard  |
| Frequency                                                                       | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 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 <sub>1</sub> = 5 Hz to f <sub>2</sub> = 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 8.0               | 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 | Approval                                                                          | Standard | Certificate Name |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                       | EN 60947-7-4 | NL-63702         | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                           | -        | -                |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                       | IEC 60998    | NL-63703         | Railway<br>WAGO GmbH & Co. KG                                                     | -        | Z00004397.000    |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                | EN 60947-7-4 | 71-112513        | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                           | -        | -                |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                | EN 60998     | 71-112514        |                                                                                   |          |                  |
| UR<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                              | UL 1977      | UL-CA-2125131-1  |                                                                                   |          |                  |

Downloads

| Environmental Product Compliance                        |                                                                                     |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search                                       |                                                                                     |
| Environmental Product<br>Compliance<br>2065-101/998-403 |  |

Documentation

| Additional Information |            |                   |                                                                                     |
|------------------------|------------|-------------------|-------------------------------------------------------------------------------------|
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

| CAD data                         |                                                                                     | CAE data                         |                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| 2D/3D Models<br>2065-101/998-403 |  | ZUKEN Portal<br>2065-101/998-403 |  |

| PCB Design                                                      |                                                                                     |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Symbol and Footprint<br>via SamacSys<br>2065-101/998-403        |  |
| Symbol and Footprint<br>via Ultra Librarian<br>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 |

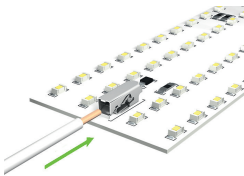


Item No.: 2065-131  
Board-to-Board Link; Pin spacing 6.5 mm;  
Length: 15.6 mm; silver-colored



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-but-  
tons: Even more space savings when  
using exclusively solid conductors