

## Datasheet - SD-I-DP-V0-2

Accessories SD interface / Gateway / SD-I-DP-V0-2



☒ Preferred typ



(Minor differences between the printed image and the original product may exist!)

- PROFIBUS Gateway SD-I-DP-V0-2 to convert serial diagnostic signals to the PROFIBUS DP protocol
- The PROFIBUS Gateway SD-I-DP-V0-2 is a PROFIBUS slave
- Protection class IP 10 device for control cabinet mounting, for standard DIN rails

### Ordering details

|                          |               |
|--------------------------|---------------|
| Product type description | SD-I-DP-V0-2  |
| Article number           | 101192805     |
| Strobe lamp              | 4030661353951 |
| eCl@ss                   | 27-27-24-90   |

### Approval

|          |      |
|----------|------|
| Approval | None |
|----------|------|

### Global Properties

|                                                                                                                          |                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Permanent light                                                                                                          | SD-Gateway                                                                                 |
| Standards                                                                                                                | -                                                                                          |
| Compliance with the Directives (Y/N)  | Yes                                                                                        |
| Mounting                                                                                                                 | snaps onto standard DIN rail to EN 60715                                                   |
| Weight                                                                                                                   | 120                                                                                        |
| DIP switch, 8-pole                                                                                                       | S1 ... S7: addressing as Profibus slave;<br>S8: automatic addressing of the serial devices |

### Mechanical data

|                                 |             |
|---------------------------------|-------------|
| Design of electrical connection | Cage clamps |
| resistance to shock             | 15 / 11     |

## Ambient conditions

### Ambient temperature

|                                  |     |
|----------------------------------|-----|
| - Min. environmental temperature | -5  |
| - Max. environmental temperature | +55 |

### Storage and transport temperature

|                                          |     |
|------------------------------------------|-----|
| - Min. Storage and transport temperature | -25 |
| - Max. Storage and transport temperature | +85 |

### Protection class

|                              |      |
|------------------------------|------|
| - Protection class-Enclosure | IP10 |
|------------------------------|------|

### Air clearances and creepage distances To IEC/EN 60664-1

|                                   |                |
|-----------------------------------|----------------|
| - Rated impulse withstand voltage | 0,5            |
| - Overvoltage category            | II To VDE 0110 |
| - Degree of pollution             | 2 To VDE 0110  |

## Interface

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Interface     | 9-pole SUB-D connector, default Profibus connection (DP-A, DP-B, 5V, GND) |
| Protocol      | Profibus-DP -V0 upwards compatible                                        |
| Transfer rate | 9600 Baud ... 12 MBaud                                                    |
| GSD file      | KAS_0b13.GSD <a href="#">DOWNLOAD</a>                                     |

## Electrical data

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Clip SD                  | connection for max. 31 devices in the serial diagnostics |
| Clip 24 V                | + 24 power supply                                        |
| Clip 0 V                 | GND of the power supply and GND of the diagnostic line   |
| Rated insulation voltage | 32                                                       |
| Rated operating voltage  | 24, - 15 / + 20 (stabilised PELV)                        |
| Operating current        | 250                                                      |
| Max. fuse rating         | internal fuse to EN 60127, PolySwitch 0.5 A / 60 V       |

## LED switching conditions display

|                                                                |                                                             |
|----------------------------------------------------------------|-------------------------------------------------------------|
| LED switching conditions display (Y/N)                         | Yes                                                         |
| Number of LED's                                                | 4                                                           |
| LED switching conditions display                               |                                                             |
| - The integrated LEDs indicate the following operating states. |                                                             |
| - PB Continuous signal red                                     | Error PROFIBUS                                              |
| - PB Flashing signal                                           | Initialisation PROFIBUS                                     |
| - SD Continuous signal red                                     | Error SD Gateway                                            |
| - SD Flashing signal                                           | Initialisation SD Gateway                                   |
| - T Continuous signal yellow                                   | SD initialisation error, teaching required                  |
| - T Flashing signal                                            | Initialization error SD device addresses, teaching required |
| - ON Continuous signal green                                   | Power supply on                                             |

## Miscellaneous data

### Applications



Guard system



Safety sensor

## Dimensions

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### Dimensions

|          |    |
|----------|----|
| - Width  | 50 |
| - Height | 72 |
| - Depth  | 97 |

## notice

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Detailed functions, see programming and configuration manual of the SD Gateway

## notice - Wiring example

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Serial diagnostics of series-wired safety sensors/solenoid interlocks

Devices with serial diagnostic option: AZ 200, AZM 200, CSS 30S, CSS 34, MZM 100

## Keywords

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Search keys

PROFIBUS, SD Gateway

## Documents

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**Mounting and wiring instructions** (de, en, fr) 192 kB, 10.03.2009

Code: m\_sdip04

**Brochure** (de) 6 MB, 15.02.2018

Code: b\_css\_brosch09\_de

**Brochure** (en) 6 MB, 15.02.2018

Code: b\_css\_brosch09\_en

**Brochure** (de) 5 MB, 11.08.2015

Code: b\_css\_brosch\_de

**Brochure** (en) 13 MB, 11.08.2015

Code: b\_css\_brosch\_en

**Project engineering** (en) 964 kB, 13.08.2009

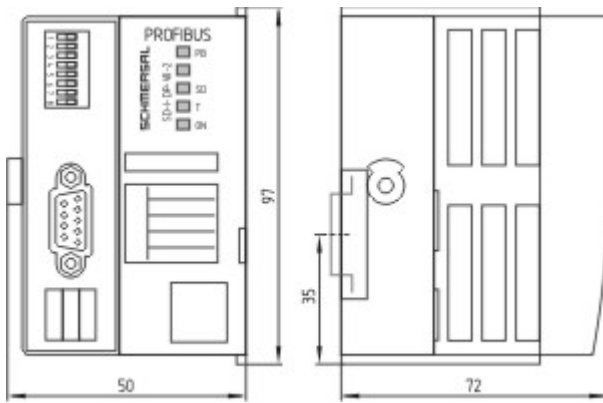
Code: p\_sd-p02

**Project engineering** (de) 707 kB, 29.10.2007

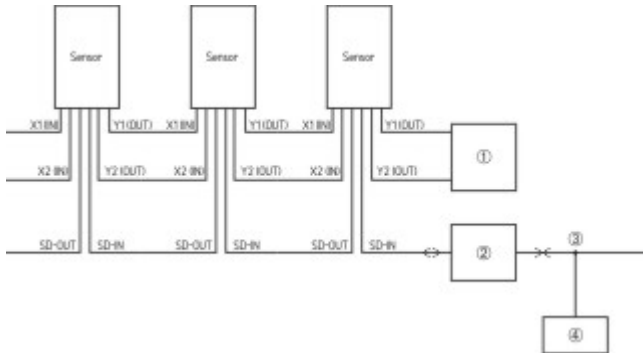
Code: p\_sd-p01

## Images

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Dimensional drawing (basic component)



Wiring example

## System components

### Configuration software



101195620 - GSD FILE SD-I-DP-V0-2

- Configuration software

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 14.03.2018 - 14:54:00h Kasbase 3.3.0.F.64I