

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
EAN code	4030661353951

Approval

Approval	None
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Global Properties

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

Mechanical data

Design of electrical connection	Cage clamps
resistance to shock	15 g / 11 ms
Resistance to vibration To EN 60068-2-6	5 ... 9 Hz, Amplitude 3.5 mm; 9 ... 150 Hz. with 1 a

Ambient conditions

Ambient temperature

- Min. environmental temperature -5 °C
- Max. environmental temperature +55 °C

Storage and transport temperature

- Min. Storage and transport temperature -25 °C
- Max. Storage and transport temperature +85 °C

Protection class

- Protection class-Enclosure IP10

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

- Rated impulse withstand voltage U_{imp} 0,5 kV
- 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 [DOWNLOAD](#)

Electrical data

Clip SD

connection for max. 31 devices in the serial diagnostics

Clip 24 V

+ 24 VDC power supply

Clip 0 V

GND of the power supply and GND of the diagnostic line

Rated insulation voltage U_i

32 V

Rated operating voltage U_e

24 VDC, - 15 % / + 20 % (stabilised PELV)

Operating current I_e

max. 250 mA

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 piece

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

Dimensions

- Width	50 mm
- Height	72 mm
- Depth	97 mm

notice

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

notice - Wiring example

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

Search keys PROFIBUS, SD Gateway

Documents

Mounting and wiring instructions (de, en, fr) 155 kB, 10.03.2009

Code: m_sdip04

Wiring example (99) 12 kB, 20.08.2008

Code: kazm_l01

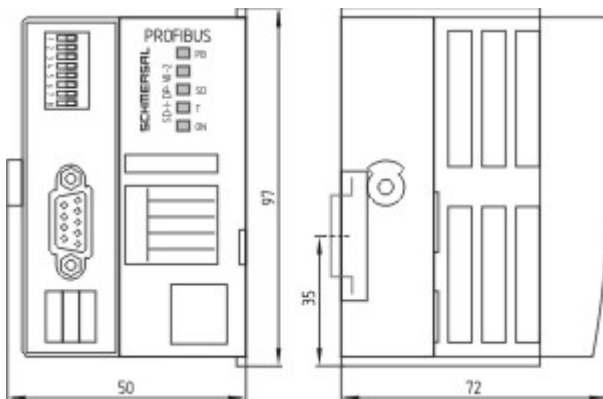
Project engineering (de) 707 kB, 29.10.2007

Code: p_sd-p01

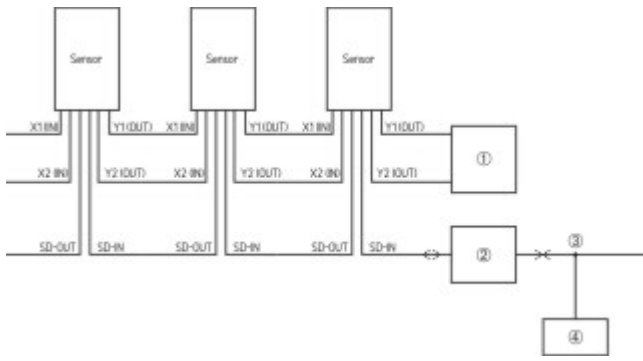
Project engineering (en) 964 kB, 13.08.2009

Code: p_sd-p02

Images



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.

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