

## DATA SHEET

### SENTRION – I/O CARDS

#### DSS-IO82



#### MAIN FEATURES

- ▶ Certified for Alarm class 4 (SSF 1014, edition 5), compliant with Security Grade 4 (EN 50131-1, EN 50131-3)
- ▶ Environmental class II
- ▶ Addressable via DIP switch (15 positions)
- ▶ 8 supervised encrypted inputs
- ▶ 2 Open Collector outputs
- ▶ 12 VDC Power output (500 mA max)
- ▶ Optical tamper detection
- ▶ Pluggable terminal blocks

DSS-IO82 is an input/output module that communicates with a Sentrion controller using RS-485.

The module has 8 inputs for alarm detection loops and 2 outputs for external control. DSS-IO82 can provide 12 VDC output up to 500 mA, independently of the input voltage.

Different enclosures are available depending on the security requirements of the customer. A certified enclosure is required for Alarm class compliant installation.

#### TECHNICAL SPECIFICATIONS

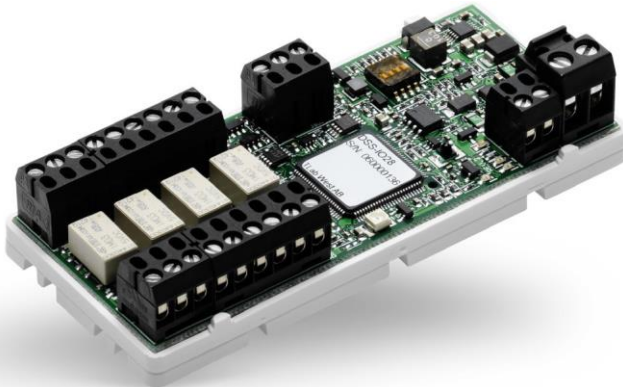
DIMENSIONS	40 x 85 x 20 mm (PCB)
WEIGHT	41 g
ENVIROMENT	-10°C - +40°C, Environment class II
POWER INPUT	12-24 VDC (-10%/+20%)
POWER CONSUMPTION	44 mA @ 27 VDC (1,5 W) max - excluding external loads 1 x
COMMUNICATION	RS-485 for communication with controller
POWER OUT	12 VDC (500 mA max)
INPUTS	8 supervised encrypted inputs (max 20 kΩ loop resistance)
OUTPUTS	2 Open Collector outputs (max 100 mA, active low)
TAMPER	Optical
STATUS INDICATORS	LEDs indicating power, communication and internal status

#### CERTIFICATION AND COMPLIANCE

SBSC certified: Certificate number 16-269, Compliant with Alarm class 4 (SSF 1014, edition 5), Security Grade 4 (EN 50131-1, EN 50131-3), Environmental class II, EMC: CE 61000-6-3 Residential, 61000-6-2 Industrial, RoHS compliant

#### ACCESSORIES

ARTICLENR	TYPECODE	DESCRIPTION
310 003 035	DSS-IO82-003	IO module 8input/2output (+ plastic holder ) without enclosure
310 003 037	DSS-IO82-004	IO module 8input/2output (+ plastic holder) with enclosure (plastic)
310 002 005	DSS-ENC-001	DSS-DOOR/DSS-IOxx/DSS-MUX enclosure (SSF approved)



### MAIN FEATURES

- ▶ Certified for Alarm class 4 (SSF 1014, edition 5), compliant with Security Grade 4 (EN 50131-1, EN 50131-3)
- ▶ Environmental class II
- ▶ Addressable via DIP switch (15 positions)
- ▶ 2 supervised inputs
- ▶ 4 relay outputs, 4 Open Collector outputs
- ▶ Optical tamper detection
- ▶ Pluggable terminal blocks

DSS-IO28 is an input/output module that communicates with a Sentrion controller using RS-485.

The module has 2 inputs for alarm detection loops and 8 outputs for external control.

Different enclosures are available depending on the security requirements of the customer. A certified enclosure is required for Alarm class compliant installation.

### TECHNICAL SPECIFICATIONS

DIMENSIONS	40 x 85 x 20 mm (PCB)
WEIGHT	42 g
ENVIROMENT	-10°C - +40°C, Environment class II
POWER INPUT	12-24 VDC (-10%/+20%)
POWER CONSUMPTION	62 mA @ 27 VDC (2,0 W) max - excluding external loads
COMMUNICATION	1 x RS-485 for communication with controller
INPUTS	2 supervised inputs (max 20 kΩ loop resistance)
OUTPUTS	4 relay outputs (C/NO/NC 1A/30V max), 4 Open Collector outputs (max 100 mA, active low)
TAMPER	Optical
STATUS INDICATORS	LEDs indicating power, communication, internal status, and individual output status

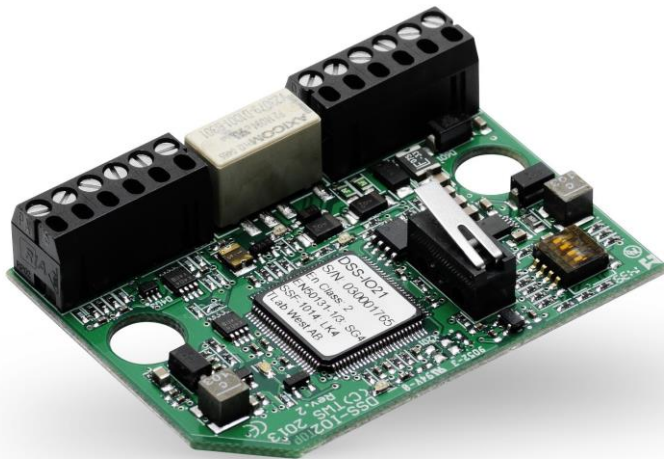
### CERTIFICATION AND COMPLIANCE

SBSC certified: Certificate number 16-269, Compliant with Alarm class 4 (SSF 1014, edition 5), Security Grade 4 (EN 50131-1, EN 50131-3), Environmental class II, EMC: CE 61000-6-3 Residential, 61000-6-2 Industrial, RoHS compliant

### ACCESSORIES

ARTICLENR	TYPEKOD	DESCRIPTION
310 003 052	DSS-IO28-001	IO module 2 input/8 output (+ plastic holder ) without enclosure
310 003 054	DSS-IO28-002	IO module 2 input/8 output (+ plastic holder) with enclosure (plastic)
310 002 005	DSS-ENC-001	DSS-DOOR/DSS-IOxx/DSS-MUX enclosure (SSF approved)

## DSS-IO21



### MAIN FEATURES

- ▶ Certified for Alarm class 4 (SSF 1014, edition 5), compliant with Security Grade 4 (EN 50131-1, EN 50131-3)
- ▶ Environmental class II
- ▶ Addressable via DIP switch (15 positions)
- ▶ 2 supervised inputs, 1 relay output
- ▶ 12 VDC Power output (250 mA max)
- ▶ Physical tamper detection
- ▶ Pluggable terminal blocks

DSS-IO21 is an input/output module that communicates with a Sentrion controller using RS-485.

The module has 2 inputs for alarm detection loops and 1 output for external control. DSS-IO21 can provide 12 VDC output up to 250 mA, independently of the input voltage.

DSS-IO21 can be installed in existing enclosures for IC20-PID and MSS-PID. A certified enclosure is required for Alarm class compliant installation.

### TECHNICAL SPECIFICATIONS

DIMENSIONS	60 x 44 x 20 mm (PCB)
WEIGHT	23 g
ENVIROMENT	-10°C - +40°C, Environment class II
POWER INPUT	12-24 VDC (-10%/+20%)
POWER CONSUMPTION	36 mA @ 27 VDC (1,2 W) max - excluding external loads
COMMUNICATION	1 x RS-485 for communication with controller
POWER OUT	12 VDC (250 mA max)
INPUTS	2 supervised inputs (max 20 kΩ loop resistance)
OUTPUTS	1 relay output (C/NO/NC 1A/30V max)
TAMPER	Physical switch
STATUS INDICATORS	LEDs indicating power, communication, internal status, and

### CERTIFICATION AND COMPLIANCE

SBSC certified: Certificate number 16-269, Compliant with Alarm class 4 (SSF 1014, edition 5), Security Grade 4 (EN 50131-1, EN 50131-3), Environmental class II. EMC: CE 61000-6-3 Residential, 61000-6-2 Industrial, RoHS compliant

### ACCESSORIES

ARTIKELNR	TYPECODE	DESCRIPTION
310 003 023	DSS-IO21-001	IO module 2input/1output without enclosure