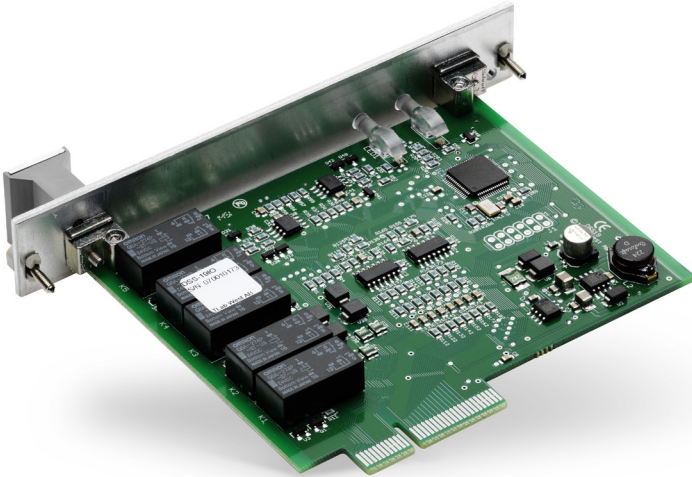


DATA SHEET

SENTRION – RACK MOUNTED I/O AND DOOR CONTROL MODULE

DSS19-IO



MAIN FEATURES

- ▶ Designed to fit in any of the 20 mounting slots provided
- ▶ by the DSS19-R 19" rack unit
- ▶ Addressable through selected mounting slot in DSS19-R
- ▶ Supports 2 card readers over RS-485 (OSDP v1/v2)
- ▶ 8 supervised inputs, 5 relay outputs
- ▶ Power and connectivity are routed through the DSS19-R backplane

DSS19-IO85 is a rack mounted input/output module that communicates with a Sentrion controller using RS-485. DSS19-IO85 can control two card readers using the RS-485 interface (OSDP v1/v2). The readers can either be used for a single in/out door or two different doors. In addition to door control the module can also be used as a dedicated I/O module with 8 inputs for alarm detection loops and 5 outputs for external control.

TECHNICAL SPECIFICATIONS

DIMENSIONS	20 x 107 x 130 mm (PCB)
WEIGHT	80 g
ENVIRONMENT	-10°C - +40°C
POWER INPUT	24 VDC (-10%/+20%)
POWER CONSUMPTION	100 mA 2,4 W max - excluding external loads
COMMUNICATION	1 x RS-485 for communication with controller
USER INTERFACE	1 x RS-485 (OSDP v1/v2) for connecting 2 card readers
INPUT	8 supervised inputs (max 20 kΩ loop resistance)
OUTPUT	5 relay outputs (C/NO/NC 1A/30V max)
STATUS INDICATORS	Front facing LEDs indicating power, communication, and internal status

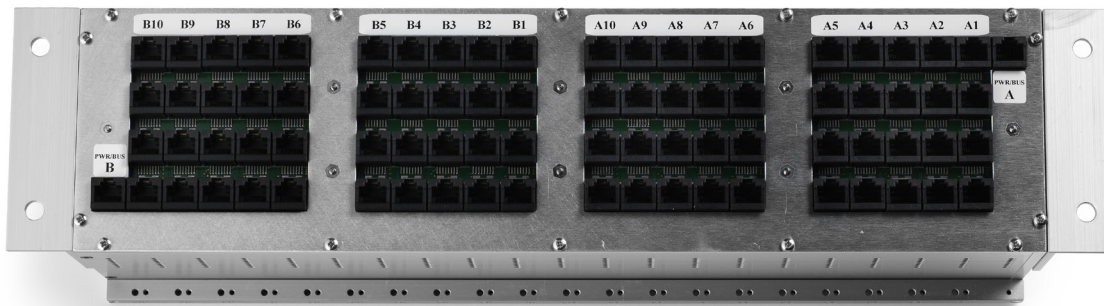
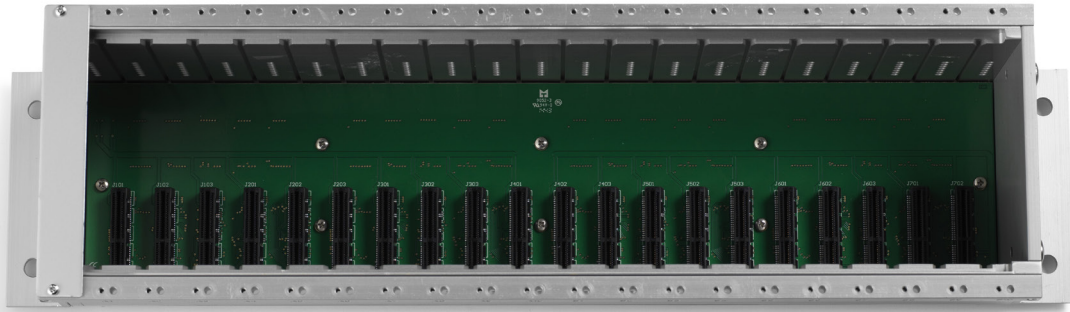
CERTIFICATION AND COMPLIANCE

EMC: CE 61000-6-3 Residential, 61000-6-2 Industrial
RoHS compliant

ACCESSORIES

ARTICLENR	TYPECODE	DESCRIPTION
310 002 101	DSS19-IO	Rack mounted I/O and door controller for S3
		DSS19-R: 19" rack for DSS19-IO85

DSS19-R-MK2



DSS19-R is a rack designed for mounting in 19" rack frames. It can be populated with up to 20 DSS19-IO85 input/output modules that communicate with a Sentrion controller using RS-485. The 20 modules are divided into two segments of 10 modules that connect to one RS-485 bus each.

The module contains no electronic components apart from the connectors on the backplane. All cable connectors are mounted on the rear of the DSS19-R and a clearance of 0.3 m behind the unit is recommended to fit the required cables. Connectivity is provided using ethernet cables connected to a distribution panel.

TECHNICAL SPECIFICATIONS

DIMENSIONS	130 x 468 x 155 mm
WEIGHT	3,0 kg
ENVIROMENT	-10°C - +40°C
POWER INPUT	24 VDC (-10%/+20%) - supplied through rack backplane
POWER CONSUMPTION	Up to 20 x 100 mA 2,4 W max (2000 mA 48 W max) - depends on the number of attached DSS19-IO85 modules
COMMUNICATION	2 x RS-485 for communication with controller - ports available on the rear of the panel
READERS	Up to 20 RS-485 (OSDP v1/v2), each connecting up to two card readers
INPUTS	Up to 20 x 8 supervised inputs (max 20 kΩ loop resistance)
OUTPUTS	Up to 20 x 5 relay outputs (C/NO/NC 1A/30V max)
STATUS INDICATORS	Front facing DSS19-IO85 LEDs indicating power, communication, and internal status for each module

CERTIFICATION AND COMPLIANCE

EMC: CE 61000-6-3 Residential, 61000-6-2 Industrial
RoHS compliant

ACCESSORIES

ARTICLENR	TYPECODE	DESCRIPTION
310 002 204	DSS19-R	19" rack for DSS19-IO (MK2)
		DSS19-IO85: Rack mounted I/O and door control module