SIEMENS

ADS5200, ADS5210

Single Reader Interface (SRI)

SiPass integrated

- **Interface module for one card reader**
- **Support for an entry reader to monitor and control a door**
- **Easy installation**

The SRI provides a local interface between an Advanced Central Controller (ACC) and a single card reader. This allows the SRI to receive information regarding the identity of a cardholder and send it to the ACC for verification. In addition, the SRI has the intelligence to report the status of a door and unlock or lock the door as required.

When a cardholder presents their access card at a reader (connected to a SRI), the SRI in-terprets the encoded information and sends this data to the ACC. The ACC then checks the validity of the cardholder. If the appropriate permissions have been assigned, the ACC then sends a message back to the SRI allowing it to unlock the door and permit access.

The SRI has been carefully engineered so that it can be easily mounted in any appropriate location. This includes the ability to conveniently install the SRI near the door which it controls, or can just as easily be installed centrally in the same cabinet as the controller

Features

- Supports all popular reader technologies
- Door contact input
- Request-to-Exit input
- 2 auxiliary inputs
- Lock / Door Strike output (relay)
- Auxiliary output (open-collector)
- Reader power source
- Supervision of input wires
- Communications status LED
- Activity status LED
- Power status LED
- Flash memory updateable
- Ability to perform remote maintenance, significantly reducing overall maintenance times
- Field management tool available
- Host system compatibility for firmware and configuration download via ACC

Description

The SRI controls all access components of a door or barrier with a single card reader. This includes support for an entry reader, exit using a device to request exit, a door strike to lock and unlock the door, and door contact to detect the door position.

The SRI allows the on-board inputs to be supervised individually. This ensures, for example, wire tampering is reported to the system by generating an ALARM message when detected.

The SRI provides two programmable auxiliary input connections for the monitoring of system aspects. This may include the monitoring of a cabinet door, duress switch or PIR motion sensors.

The SRI also provides an open-collector auxiliary output. This allows a buzzer, strobe light or similar device to be connected and can be configured to trigger when security is breached.

By using the latest flash technology, the SRI is fully updateable, and can be easily programmed via the host system to operate in its intended mode. This leading-edge technology allows the SRI to be re-programmed or re-configured and used in conjunction with other Siemens security products, providing a complete and fully expandable access control solution.

Technical data

Power Supply	
Operating Voltage	12 VDC +/-20%
Consumption	max. 12 W
Interface Card Reader	
1 x Clock/Data	Clock/Data / Wiegand
Communication Interfaces	
1 x ACC/FLN	RS-485, 2-wire
Inputs	
1 x REX-Button	Internally supplied
1 x Door Contact	Internally supplied
2 x Auxiliary Input	Internally supplied
Outputs	
1 x Lock Output	Potential-free, 10 A / 30 VDC, 10A / 250 VAC
1 x Auxiliary Output	12 VDC Open-Collector (max. 100 mA)
Dimensions (L x W x H)	
RIM-020	125mm x 125mm x 34mm 4.92” x 4.92” 1.34”
RIM-021	150mm x 150mm x 76mm 5.91” x 5.91” 2.99”
Environmental	
Temperature	Operation: 0 °C to 50 °C
	Storage: 0 °C to 60 °C
Humidity	10-90% (non-condensing)

Details for ordering

Type	Part no	Designation	Weight
ADS5200[1]	6FL7820-8CA20	Single Reader Interface including base plate, 12 VDC	0,21 kg
ADS5210[2]	6FL7820-8CA21	Single Reader Interface including base plate and plastic case, 12 VDC	0,51 kg

[1] Former type designation: RIM-020
[2] Former type designation: RIM-021

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