ATS1160N

ATS Mifare Classic and DesFire EV1 serial number card reader with output and RTE input

Product overview

The ATS Mifare readers connect directly on the RS485 data bus of the control panel or 4 Door Controller and may be configured and addressed via a LCD keypad or address configuration card ATS1482. The devices offer a Request To Exit input and one open collector output that can be used to control a door relay or door strike.

The ATS Mifare readers are designed for reliable and secure access control, data collection and people identification in various environments. The MIFARE proprietary technology is based upon the ISO 14443 (RFID) Type A 13.56 MHz contact less smart card standard. The technology is embedded in both cards and readers (also referred to as a Proximity Coupling Device).

These innovative products read the unique MIFARE CSN (Card Serial Number) of Philips Mifare®, I-Code®, Inside PicoTag® and most of the existing and forthcoming ISO15693 tags like Tag-it®, ST, Infineon etc. compatible with MIFARE Standard 1k or 4k. This also includes EV1 and DESfire cards.

Communication

Readers are suitable for most applications and offer a direct connection to Advisor MASTER control panels and door controllers. Good performance and robustness ensure optimal functionality even in harsh environments.

Design

The unique design of the housing guarantees that the readers can be used in the most demanding surroundings. Readers can be installed directly on to a metal surface without any insulation.

Details

- Mifare ATS bus reader
- Reads the chip serial number (CSN)
- Mifare Classic and DESfire EV1 CSN
- Robust molded plastic housing
- Indoor or outdoor mounting
- ATS bus interface
- Request To Exit input
- Open Collector Output (door open)
- RS485 data bus device
- Field strength - according to EN300330
- EMC - meets CE requirements
- Pry-off tamper - optical sensor

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Technical specifications

System

CSN (Card Serial Number)	Yes
Addressing type	Card Addressing, Keypad Addressing, Software Addressing
No. of LEDs	Tricolor

Technology

Reader type	Proximity
Reader operating-transmitting frequency	13.56 MHz
Supported technology 13.56 MHz	MIFARE Classic (CSN), MIFARE DESFire EV1 (CSN)

Interface & connections

Interface	ATS RS-485
Connector type	Pigtail
Pigtail length	2 m
Supported cable type	LIYY 2m

Inputs / outputs

Inputs	Request to exit
Outputs	1 Open Collector (10 mA)

Tamper type

Pry-off tamper	Yes

Operation

PIN keypad	No

Electrical

Operating voltage	10.8 to 30 VDC
Current consumption	150 mA max.

Physical

Physical dimensions	140 x 44 x 20 mm (H x W x D)
Colour	Black
Material	Plastic
Mounting Type	Surface mount

Environmental

Operating temperature	-40 to +55°C
Storage temperature	-40 to +55°C
Environment	Indoor, Outdoor
IP rating	IP67