



ADE5300

SiPass®
integrated

Eight-reader interface, including base plate

-
- Supports up to 8 Wiegand card readers or 8 RS-485 readers
 - Supports all popular reader technologies
 - Provides support for Fire Override
 - Support for an entry and exit reader (up to 4 doors)
 - Inputs: door contact and Request-to-Exit input (up to 8 doors)
 - 16 auxiliary inputs for passive devices
 - 8 auxiliary outputs (open collector)
 - Lock/door strike output (up to 8 doors)
 - Supervision of input wires
 - Status LEDs: communications, activity, power, input/output

The ADE5300 provides a local interface between the central controller (AC5100, AC5102 or AC5200) and up to 8 card readers. From the ADE5300, the information held within the access cards is transmitted to the central controller. Each time an access attempt is made the central controller verifies the data on the ID card and will then either allow or deny access. The ADE5300 can be configured to control up to 8 doors separately or up to 4 doors that include both entry and exit readers. All variations are possible; for example, you can have six single-reader doors and 1 dual-reader door connected to one ADE5300.

The ADE5300 controls all aspects of a secure door or barrier that requires entry and exit. This includes support for an entry reader, exit reader, a door strike to lock and unlock the door, and door contact to detect the doors position. The ADE5300 allows the onboard inputs to be supervised. This ensures, for example, wire tampering is reported to the system by generating an ALARM message when detected.

The ADE5300 provides sixteen 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 ADE5300 also provides eight auxiliary outputs (open collector). This allows a buzzer, strobe light or similar device to be connected and can be configured to trigger when security is breached.

The ADE5300 fully supports Fire Override, including an enhanced mode, which allows the Fire Override input to be supervised for tampering. Attempts to force an Override scenario can be detected and an alarm triggered, ensuring that security is never compromised while Emergency control is maintained.

By using the latest flash technology, the ADE5300 is fully updateable, and can be easily programmed via the SiPass host system. This leading-edge technology allows the ADE5300 to be reprogrammed or reconfigured and used in conjunction with other Siemens security products, providing a complete and fully expandable access control solution.

The ADE5300 has been carefully engineered so that it can be easily mounted in any appropriate location.

Technical data

ADE5300	
Interface	FLN connection to controller: RS485 To readers: Support for eight readers in a mix of RS485 and Wiegand/Clock&Data
Operating voltage	12 V DC, -15 to +10% or 24 V DC, -15 to +10%
Power output	Reader: 8 x 400 mA, 12 VDC Ancillary: 1 x 1.5 A, 12 VDC
Current consumption	Max. 2 A at 12 V, max. 1.5 A at 24 V
Tamper switch	Optional, auxiliary input
Inputs	8 x Door contact 8 x Request-to-exit 16 x Auxiliary All inputs unsupervised or supervised 2 x Fire override (normal or enhanced mode)
Outputs	8 x Lock output relay (30 VDC, 2 A) 8 x Open-collector output (100 mA, 9.7-12 VDC) 2 x Fire override relay (30 VDC, 2 A)
Firmware	Flash upgradeable
Indicators	Power, Activity, FLN Communication, Reader bus communication, Input/output, Fire override
Dimensions (W x H x D)	250 x 287 x 50 mm
Approval	CE, UL294, C-Tick

Details for ordering

Type	Part no	Designation	Weight
ADE5300	V24246-A2500-A1	Eight-reader interface, including base plate.	1.65 kg

Issued by
Vanderbilt International (IRL) Ltd.
Clonshaugh Business and Technology Park
Clonshaugh
Dublin 17
Ireland

© 2016 Vanderbilt International (IRL) Ltd.

Data and design subject to change without notice.
Supply subject to availability.

www.vanderbiltindustries.com

Document no. **A24205-A335-B184**
Edition 25.08.2016