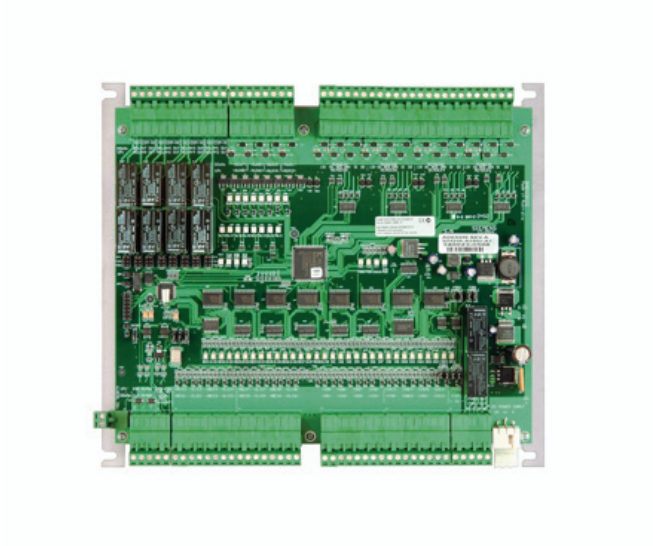
SIEMENS



ADE5300

Access Control

Eight-reader interface, including baseplate, 12 or 24 VDC

- **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 an AC5100 advanced central controller and up to 8 card readers. From the ADE5300, the information held within the ID cards is transmitted to the AC5100. Each time an access attempt is made the AC5100 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 / combinations are possible; for example, you can have six single-reader doors and 1 dual-reader door."

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

Electrical	
Power supply	12 - 15 VDC up to +10% or 24 VDC, -15 up to +10%
Power consumption	Max. 2 A at 12 V, max. 1,5 A at 24 V
Readers	8 x Wiegand/Clock&Data reader interfaces, or 1 x Siemens RS-485 reader interface for connecting up to eight readers
Auxiliary power supply	Card reader 8 x 400 mA, 9.7-12 VDC 1 x 1.5 A, 9.7-12 VDC
Field bus	RS485 two wire, half-duplex
Dimensions (W x H x D)	250 x 287 x 50 mm
Approval	Emitted interference: - EN 61000-6-3: 2001 - EN 55022 +A1 +A2 Kl. B: 2003 Interference resistance: - EN 50130-4 +A2: 2003 C-Tick, UL294
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 relays	8 x Lock output (30 VDC, 2 A) 8 x Open-collector output (100 mA, 9.7-12 VDC) 2 x Fire override (30 VDC, 2 A)

Details for ordering

Type	Part no	Designation	Weight
ADE5300	S24246-A2500-A1	Eight Reader Interface, up to 8 door access, 12/24 V DC input power supply, including base plate.	1.3 kg

Issued by

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