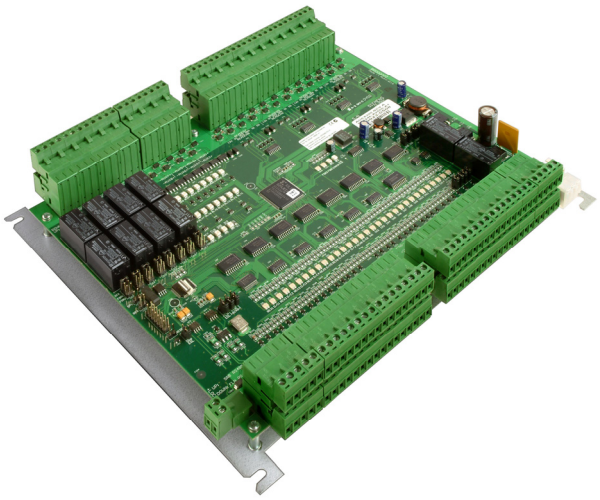
SIEMENS



ADE5300

Access Control

Eight Reader Interface

- **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 Advanced Central Controller (ACC) and up to 8 card readers. From the ADE5300, the information held within the ID cards is transmitted to the ACC. Each time an access attempt is made the ACC 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 constellations are possible, e. g. 6 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 (input)	12 V DC, -15 to +10% or 24 V DC, -15 to +10%
Consumption	max. 2 A @ 12 V, max. 1.5 A @ 24 V (max Consumption: All Relays are driven and all open collector outputs are supplying the max. current of 100 mA. The reader power supplies are not included!)
Communications FLN	RS-485 two wire, half-duplex
Reader Interfaces	8 x Wiegand Reader Interfaces, or 1 x Siemens RS-485 Reader Interface for connecting up to eight Readers
Lock output	8 x Relay driven 2 A @ 30 V DC
Auxiliary output	8 x Open-Collector 100 mA @ 9.7 – 12 V DC
Inputs (internally supplied)	8 x Door contact 8 x Request-to-Exit 16 x Auxiliary All inputs unsupervised or supervised
Supervision	Requires connection of a supervision circuit.
Fire Override (FOR) input	2 x Normal or Enhanced Modes: ● Normal Mode requires an Input Voltage of 12 V DC ● Enhanced mode requires the connection of 22 kOhm resistor circuits. Cable must be shielded and total cable run resistance must not exceed 100 Ohms.
Fire Override (FOR) output	2 x Relay 2 A @ 30 V DC
Local input	1 x passive device connection (unsupervised)
Local output	1 x open-collector 100 mA @ 9.7– 12 V DC
Reader Power supplies	8 x 400 mA @ 9.7 – 12 V DC 1 x 1.5 A @ 9.7 – 12 V DC
Dimensions	
with baseplate (W x H x D)	250 x 287 x 50 mm (9.84 x 11.30 x 1.97")
without baseplate (W x H x D)	216 x 267 x 37 mm (8.50 x 10.51 x 1.46“)
Environmental	
Operating temperature	0 – 50 °C (32 – 122 °F)
Storage temperature	0 – 60 °C (32 – 140 °F)
Humidity	10 – 90% (non-condensing)
Standards and Guidelines	
European Directives “Directive of Electromagnetic Compatibility”	Emitted interference: EN 61000-6-3: 2001 EN 55022 +A1 +A2 Kl. B: 2003 Interference resistance: EN 50130-4 +A2: 2003
C-Tick	Standard for Australia and New Zealand (equivalent to EN 55022 of the European Directive).
UL- Directives	UL 294 Access control units Details can be found under: http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/gfilenbr.html with UL File Number: BP9490

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

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