

# AEOS Blue door interface

## AP7003

The AP7003 is an attractive peripheral for the AP7803. This competitively priced door interface benefits from the intelligence of the AP7803 by using the 485-bus. This offers maximum design freedom and makes it possible to reuse existing cabling.

- Attractive peripheral for the AP7803
- Enables bus topology
- Minimises the loss of previous investments



### The perfect match

The AP7003 makes it possible to extend the power of the AP7803 easily to 32 entrances and to benefit from its advanced capabilities.

### Maximum freedom

In combination with the AP7003, the AP7803 also provides a solution for situations where a bus topology is desirable. For example, the system can be limited to technical rooms to keep IP connections available for the more important applications.

### Minimises the loss of previous investments

The AP7003 can be integrated with the 485-bus by using existing cabling, thus ensuring that past investments retain their value in future.

## Technical specifications

Dimensions	Housing: 230 x 165 x 65 mm (H x W x D) Module: 122 x 120 x 35 mm (H x W x D)
Weight	Housing incl. module: approx. 700 g, module: approx. 200 g
Housing	PC ABS
Temperature range	Housing: operation: 0 °C to 45 °C, storage: -30 °C to 65 °C Module: operation: 0 °C to 55 °C, storage: -30 °C to 65 °C
Relative humidity	20% to 90% (non-condensing)
485bus connection	RS485 based (non-isolated), jumper selectable end of line, support for up to 32 units
External power supply	12-27 VDC (min. 100 mA, max. 1.3 A @ 12-27 VDC) Readers: 500 mA @ Vin (shared by both readers) Locks: 600 mA @ Vin (shared by both locks)
Readers	2 x RS485 or 2 x Wiegand
Inputs	2 x 3 secured inputs (Door monitor, Manual unlock, Emergency unlock) 2 digital inputs (AC OK, Battery low)
Outputs	2 x 1 relay, dry contacts (NC, COM, NO), max. 30 VDC, max. 2 A 2 x 3 open collector outputs (Green LED, Red LED, Beeper), max. 20 mA each
Tamper detection	1 optical tamper sensor (AP7003) 1 digital input (for connecting external tamper switch)
Status LEDs	1 Status LED, 1 Power LED, 2 Reader LEDs
485bus wiring	1 x 2 x 0.22 mm <sup>2</sup> shielded (100-120 Ω), max. 1200 m
External power supply wiring	2 x 0.5 mm <sup>2</sup> shielded, max. 5 m
Reader wiring	RS485 excl. power: 1 x 2 x 0.22 mm <sup>2</sup> shielded, max. 1000 m (depending on reader) RS485 incl. power: 2 x 2 x 0.22 mm <sup>2</sup> shielded, max. 150 m (depending on reader) Wiegand: n x 0.22 mm <sup>2</sup> shielded, max. 150 m (depending on reader)
Sensor wiring	n x 0.22 mm <sup>2</sup> , max. 100 m

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AP7003m	9981632

Subject to change without prior notification - v2