

# 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 485bus. 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
- EN60389 certified - grade 4



### 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 485bus by using existing cabling, thus ensuring that past investments retain their value in future.

## Technical specifications

Dimensions	Housing: 230 x 165 x 65 mm (HxWxD) Module: 122 x 120 x 35 mm (HxWxD)
Weight	Housing incl. module: ~0,7 kg, module: ~0,2 kg
Housing	PC ABS
Temperature range	Housing: operating: 0 °C to 45 °C, storage: -30 °C to 65 °C Module: operating: 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
Serial channel 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

## Article number

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AP7003m	9981632

Subject to change without prior notification