



SICHERHEITSTECHNIK

technical data**DOM AccessManager Terminal****Technical Specifications:**

- For use in DOM intelligent transponder concept (DOM Protector®, AccessManager)
- extension of the validity of up to 3.000 intelligent Hitag-S transponder (changes of the authorisations have to be done by desk reader or DOM-ITT)
- validity is extended either of the actual day or for max. 24 hours (specified by ELS-Software)
- operates also as access control device (control of doors, turnstiles, etc.)
- available as Compact & Hisec version

Power supply:**Current consumption:****Time / Date:**

- external: 12-24 V AC/DC \pm 10%
- 250 mA (only for reader/control unit)
- buffering time after power failure: 48 hours at +20°C
- authorizations and events: at least 10 years
- clock drift at room temperature: \pm 10 minutes/year
- at -20 and +65°C: -50 minutes/year

Interfaces:

RS232-Interface for connecting DOM NetManagers or PC:

- data rate: default 38400 Baud
- term 1: RxD
- term 2: TxD
- term 3: GND

RS485- Interface for connecting up to one external reader:

- addressing: via Software
- function: half duplex
- data rate: default 38400 Baud
- term 4: A (receive)
- term 5: B (transmit)
- term 6: GND
- Termination RS485: term. 4 and 5 (100 Ω)

power supply:

- term 7/8: power supply from external
- term 9/10: power supply for external devices

RS232-Interface for connecting one reader

- term 18: RxD
- term 19: TxD
- term 20: GND
- data rate : default 38400 Baud

Connecting cable:

recommended cable type: JY(St)Y 2 \times 2 \times 0,6
 maximum cable length: 15 m (RS 232)
 500 m (RS 485)

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Inductive transponder interface:	<ul style="list-style-type: none"> • reading range: up to 10 cm • frequency: 125 kHz • field strength in 10 m distance: < -6 dB μA/m in conformity with ETSI EN 300 330 <ul style="list-style-type: none"> • Hitag transponders: Hitag 1, Hitag 2, Hitag S • EM transponders: 4100, 4102, 4150, 4450 <p>transponder types:</p> <ul style="list-style-type: none"> • DOM Tac, DOM Clip Tac, ISO card transponder • DOM ((o)) butler transponders with passive inlay • other types have to be checked
Infrared-Interface:	<ul style="list-style-type: none"> • location: behind DOM-Logo • wave length : 890 nm • angle: $\pm 24^\circ$ • data rate: 38400 Baud
Inputs control unit:	<p>2 inputs for floating switches:</p> <ul style="list-style-type: none"> • max. wire impedance: < 10 Ω • max. wire length: < 20 m <p>connected to screw-clamp:</p> <ul style="list-style-type: none"> • term 14/15: Input 1 • term 16/17: Input 2
Outputs control unit:	<p>1 floating change over contact: ¹</p> <ul style="list-style-type: none"> • electrical strength: 30V DC 125V AC • current load: 1 A DC 0,3A AC <p>connected to screw-clamp:</p> <ul style="list-style-type: none"> • term 11: normally open contact (NO) • term 12: common contact (C) • term 13: normally close contact (NC)
Combination of In-/Output:	<p>logical and chronological combinations are possible; for example: simple access-control (change-over contact)</p>
Signalling:	<ul style="list-style-type: none"> • 2 LEDs: red/green • buzzer
Programming :	<ul style="list-style-type: none"> • with Master-Card ; Programing -Card • with programming medium (PC) via Infrared or Online
Memory contents:	<p>storage of access authorisations in the cylinder:</p> <ul style="list-style-type: none"> • max. 3.000 conventional transponders with 4 byte transponder serial number <p>storage of time zones:</p> <ul style="list-style-type: none"> • storage of max. 32 time zones • thereof 31 freely definable with up to 3 time intervals per day <p>storage of events:</p> <ul style="list-style-type: none"> • ring buffer for the last 3.000 events <p>storage of programming media:</p> <ul style="list-style-type: none"> • max. 5 programming cards and 5 PCs

¹ In use of an actuator, which is an inductive load (coil) such as a door opener, magnet, etc. make use of a freewheeling diode (DC power supply system only). The freewheeling diode is to apply antiparallel to the inductive load.

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Approvals:

- CE, EMV, in conformity with R&TTE-rules

**Temperature range:**

- -20 up to +55 °C

Relative humidity:

- 20% up to 95% (no condensation)

Protection class:

- IP54 when completely install
(Tested in according to DIN VDE 0530-5)

Assembly :

DOM housing	Siedle module (Compact und HiSec)
in-wall mounting with flush boxes \varnothing 60 x 42mm (DIN VDE 0606, DIN VDE 0471, DIN IEC 695)	Siedle 6xx
Alternative with surface mounted frame	HiSec: <ul style="list-style-type: none"> • only reader unit in Siedle Module • control unit in DOM housing • alternatively reader unit in Siedle Module available
Metallic objects close to the reader or other disturbing effects may reduce the range of communication. Minimum distance between two AccessManager > 50cm.	
Weight: approx. 80g	approx. 170 g
Size: 85 x 85 x 16,5 mm (cap of housing) 85 x 85 x 24 mm (including feeder clamps) 85 x 92 x 40 mm (with surface mounting frame)	100 x 100 x 25 mm (Module 6xx)
Plastics: mounting frame: PA6 GF30 cap of housing and surface mounting frame: ASA	
Colour of housing : visible components alternatively: <ul style="list-style-type: none"> • RAL 9010 white • silver metallic (similar to RAL 9006, 9007) 	visible components alternatively: <ul style="list-style-type: none"> • white • silver metallic • titan metallic • graphite - brown metallic • white-gloss-finish • black-gloss-finish • luminous-amber • luminous-dark-grey

Attention:

These data correspond to the actual development status and are subject to change at any time without notice.