





SICHERHEITSTECHNIK

Technical Data **DOM Guardian**®

Power supply:	<ul style="list-style-type: none"> • 1 Lithium-Batterie 3,0 Volt • Type CR2/3 A (Li-MnO₂-System) <p> <i>Existence of fire, explosion and burn hazard. Do not recharge, short circuit, crush, disassemble, heat above 85°C, incinerate or expose contents to water</i></p>
Battery life time and data preservation:	<p>At room temperature (+20°C):</p> <ul style="list-style-type: none"> • up to 50.000 locking cycles <u>or</u> • up to 3 years in case of non-use <p>Intelligent battery management:</p> <ul style="list-style-type: none"> • multilevel alarm system in case of voltage drop • buffering of date and time: typical 1 minute <ul style="list-style-type: none"> • 10 year data preservation without battery
signalling:	<ul style="list-style-type: none"> • Optical signalling (Red/green) • Illuminated DOM-Logo
Clutch duration:	<ul style="list-style-type: none"> • Adjustable ranging from 1 to 30 seconds • Permanent open/close mode
Administration by software:	<p>with PC / Notebook or Netbook:</p> <ul style="list-style-type: none"> • ELS-Software V4.3 or higher • ELSmobile-Software V4.3 or higher
Programming device:	<p>Storage of programming devices:</p> <ul style="list-style-type: none"> • max. 5 programming cards, or 5 ELSmobile-devices
Infrared interface:	<ul style="list-style-type: none"> • positioning: inside cap, behind DOM-Logo • wave length: 880 nm (Peak Sensitivity) • angle of half intensity: ±24° • data rate: 38,4 kBit/sec
Radio online interface:	<p>connection to DOM RF-NetManager via integrated radio module (networking via Ethernet / TCP/IP):</p> <ul style="list-style-type: none"> • range: typica 3 m • frequency: 868 MHz • radiated power: ≤ 7,5 dBm e.r.p • in conformity with ETSI EN 300 220 <p> <i>The radio communication to the DOM RF-NetManager may degrade due to environmental effects, e.g. caused by metal. In order to assure a proper radio communication a functional test on site is recommended.</i></p>



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Inductive Transponder-interface:

- reading range: bis 5 cm
- frequency: 125 kHz
- field strength in 10m distance: < -6 dB µA/m
- in conformity to ETSI EN 300 330

Transponder standard :

- Hitag-Transponder: Hitag 1, Hitag 2, Hitag S
- EM-Transponder: 4100, 4102, 4150, 4450

transponder-types:

- DOM Standard Tac, Design Tac, Premium Tac, Clip Tac
- ISO-card transponder
- DOM ((o)) butler transponder with passive-Inlay
- Other types have to be

Access authorisations:

Storage of access authorisations in the device:

- max. 3.000 conventional Transponder with 4 Byte Transponder Serial number
- max. 32.000 subscribed transponders with object specific identifier

Storage of access authorisations on the transponder:

- storage of max. 260 area or 65 single-authorisations on the transponder

Time zone:

- 31 freely definable time zones with up to 3 time intervals per day

Events:

- Ring buffer for the latest 2.000 Events

Temperature, humidity:

Temperature range :

- stocking: -25°C bis +70°C
- operation: -20°C bis +65°C

Rel. humidity:

- 20% to 99% not condensation
- Tested according to DIN IEC 60068-2-1/2/3/30 (temperature: 6 cycles á 12 h, cold tested for 16 h)

Protection class:

- IP 52
- Guardian S: IP 55

Approvals and certifications:

- in conformity with all applicable EC directives
- national laws have to be checked separately

- Guardian S with SKG*** approval

- Suitable for use in fire-proof doors T30 (test according to DIN EN 1634-1) except: Guardian S



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	<ul style="list-style-type: none">• Suitable for use in fire protection and smoke protection doors (Testing based on / Correspond to P-120003866.02; MPA NRW) except: Guardian S
Mechanical Function:	<ul style="list-style-type: none">• Electronically controlled handle• On the inside the handle can always press• Handle on the outer is pivot-mounted
Door leaf thickness:	<ul style="list-style-type: none">• 34-114mm, increment in 10 mm steps• Guardian S: 39-73 mm in 5 mm steps + 79-83mm
Versions and centre hole distances:	<ul style="list-style-type: none">• Blind version without hole• Euro profile cylinder: 55, 70, 72, 78, 85, 88, 90, 92 mm• Swiss profile CH-round: 74, 78, 94 mm• Profile round cylinder: 74, 78, 94 mm• Guardian S only with opening for Euro profile cylinder: 70, 72, 78, 85, 88, 90, 92 mm
Lock compatibility:	<ul style="list-style-type: none">• mortise locks (Latch return by rotation 5°)
Handle angle	<ul style="list-style-type: none">• 45°
Square bolt:	<ul style="list-style-type: none">• 9 mm (with adapter 7 / 8 / 8,5 / 10 mm)
Surface:	<ul style="list-style-type: none">• Polished and satin stainless steel• Polished brass effect (PVD)• Guardian S: only satin stainless steel
Weight:	<ul style="list-style-type: none">• 1100 g (standard Guardian, only outer fitting with handle)
Dimension (W x H x T):	<ul style="list-style-type: none">• Outer fitting: 38mm x 260mm x 23mm (without handle)• Adapter plate for renovation: 55mm x 277mm x 3mm (without handle)• Internal fitting: 35mm x 250mm x 8mm (without handle) <p>Guardian S:</p> <ul style="list-style-type: none">• Outer fitting: approx. 44mm x 265mm x 29mm (without handle)• Internal fitting: approx. 44mm x 265mm x 5mm (without handle)



Die Angaben entsprechen dem derzeitigen Entwicklungsstand.
Technische Änderungen sind jederzeit vorbehalten.