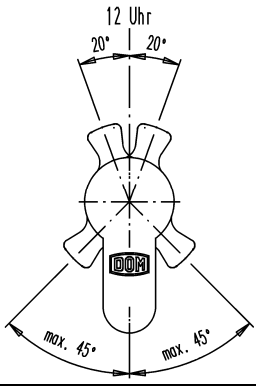
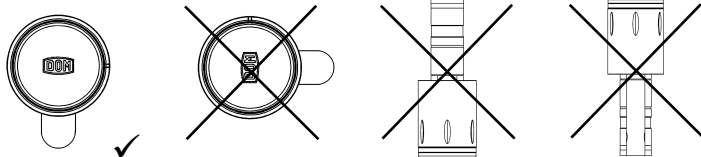


Technical Data	DOM Protector [®] EE (<u>e</u> m <u>e</u> r <u>e</u> ncy <u>e</u> xits)
Power supply: ¹	<ul style="list-style-type: none"> • 1 Lithium battery ½AA, 3,6 Volts • type ER-14250-M (LiSOCl₂ system)
Current consumption:	<ul style="list-style-type: none"> • operating current: max. 170 mA (< 100 ms) • average quiescent current < 20 µA
Battery life time and data preservation:	<p>at room temperature (+20°C): ²</p> <ul style="list-style-type: none"> • typical 50.000 locking cycles or • typical 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: typ. 1 minute • 10 years data preservation without battery
Durability:	<ul style="list-style-type: none"> • at least 100.000 cycles (according DIN EN 1303)
Approvals and Certifications:	<ul style="list-style-type: none"> • in conformity with all applicable EC directives • national laws have to be checked separately • VdS BZ+ M107314 (VdS 2156-2) • withstanding time against mechanical attacks according VdS C • tested according BSI 7500 (list TL-03400) • The DOM Protector[®] EE is designed for the installation in emergency exit devices according to DIN EN 179/1125 and must be listed in the certificate of the respective lock manufacturer.
Position of cylinder cam:	<p>The DOM Protector[®] EE has a spring driven reset mechanism to turn the cylinder cam to a fixed position.</p> <p>According to the cylinder construction the reset mechanism does <u>not</u> work within the angular dead centers 12⁰⁰ ± 20° and 6⁰⁰ ± 45°.</p> 
Maintenance:	<ul style="list-style-type: none"> • The operation of the DOM Protector[®] EE together with door, lock and strike plate has to be checked every four weeks by the operator or the operator's authorised agent. • After 100.000 cycles or ten years after initial operation a corrective maintenance of the DOM Protector[®] EE is necessary. ³ • All further applicable laws, standards and directives for emergency exit devices must be considered, as well as all instructions of the respective manufacturer of lock and strike plate.
Stainless steel knobs:	<ul style="list-style-type: none"> • outside knob: ∅ 30 mm, length 41 mm • inside knob: ∅ 30 mm, length 30 mm

Technical Data	DOM Protector [®] EE (emergency exits)
Cylinder lengths and types:	<ul style="list-style-type: none"> • min. length 30/30 mm, max. length 65/65 mm • extendable in 5 mm steps • version without inner knob available • version DK with <u>d</u>ismountable outer <u>k</u>nob (without VdS approval) <p>profile:</p> <ul style="list-style-type: none"> • mounting in Euro opening (DIN 18252, EN 1303) • other profiles on request • for backset < 25 mm the application is to be checked
Installation:	<p>The DOM Protector[®] EE may solely be installed in horizontal, upright position:</p>  <ul style="list-style-type: none"> • The installation of the DOM Protector[®] EE in multipoint locks has to be checked. Consider the manufacturer's instructions of the respective lock and strike plate.
Signalling:	<ul style="list-style-type: none"> • optical signalling (red/green) • circular lighting segments in knob cover • illuminated DOM-logo
Infrared interface:	<ul style="list-style-type: none"> • positioning: inside knob, behind DOM-Logo • wave length: 880 nm (peak sensitivity) • angle of half intensity: ±24° • data rate: 38,4 kBit/sec
Radio online interface: <i>(optional, not for Basic version)</i>	<p>connection to DOM RF NetManager via integrated radio module (networking via Ethernet / TCP/IP):</p> <ul style="list-style-type: none"> • range: typical 3 m • frequency: 868 MHz • radiated power: ≤ 7,5 dBm e.r.p. • in conformity with ETSI EN 300 220
Inductive transponder interface:	<ul style="list-style-type: none"> • reading range: up to 5 cm • frequency: 125 kHz • field strength in 10 m distance: < -6 dB µA/m • in conformity with ETSI EN 300 330 • 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
Signalling:	<ul style="list-style-type: none"> • optical signalling (red/green) • circular lighting segments in knob cover • illuminated DOM-logo

continuation:

Technical Data	DOM Protector [®] EE (<u>e</u> mergency <u>e</u> xits)
Clutch duration:	<ul style="list-style-type: none"> adjustable ranging from 1 to 30 seconds
Administration by software:	DOM Protector [®] offline: <ul style="list-style-type: none"> ELS-Software V4.2 or higher ELS4PDA-Software V3.2 or higher
Memory contents:	storage of access authorisations in the cylinder: <ul style="list-style-type: none"> max. 3.000 conventional transponders with 4 byte transponder serial number max. 32.000 subscribed transponders with object specific identifier alternatively: storage of access authorisations on the transponder (data for Hitag S): <ul style="list-style-type: none"> storage of max. 260 areal or 65 single-authorisations on the transponder storage of max. 32 time zones thereof 31 freely definable with up to 3 time intervals per day storage of events: <ul style="list-style-type: none"> ring buffer for the last 2.000 events storage of programming media: <ul style="list-style-type: none"> max. 5 programming cards and 5 PDAs
Temperature range:	<ul style="list-style-type: none"> stocking: -25°C to +70°C operation: -25°C to +70°C (according DIN IEC 60068-2-1/2, VdS class III)
Relative humidity:	<ul style="list-style-type: none"> 20% to 99%, no condensation (according DIN IEC 60068-2-1/2, VdS class III)
Corrosion resistance:	<ul style="list-style-type: none"> anticorrosive according to DIN EN 1670 class 3 SO₂ corrosion test according DIN EN ISO 6988: 15 cycles with 0,2 l SO₂
Protection class:	<ul style="list-style-type: none"> IP 54
Environmental behaviour:	<ul style="list-style-type: none"> According to VdS class III, for outdoor applications a weatherproof installation is necessary (e.g. roofed over entrance).

Notes

- ¹ Warning notice for LiSOCl₂ batteries: Existence of fire, explosion and severe burn hazard. Do not recharge, short circuit, crush, disassemble, heat above 85°C, incinerate or expose contents to water.
- ² For the DOM Protector[®] EE online a battery life time of 40.000 cycles or 2 years for non-use is expected.
- ³ This means 100.000 cycles via the outside knob, which are counted by the DOM Protector[®] EE. The necessity of a corrective maintenance is signalled by an orange flashing of the LED during a locking cycle.

For the DOM Protector[®] EE (emergency exit) there is a separate manual available containing mandatory instructions which have to be followed.

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