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| **TOUCH-FREE TOILET CUBICLE UNIT TYPE EF-3 LOOK&WAVE** |
|  | **The text modules shown below in blue are options that can be selected by the contracting authority as an alternative to the text printed in black. In this case, the corresponding black text must be deleted and the description “as an alternative” removed.** |
| **MODEL:** | **TYPE EF-3 LOOK&WAVE** from SchäferTrennwandsysteme GmbH, 56593 Horhausen, Phone: (+49) 2687 / 91510, [www.schaefer-tws.de](http://www.schaefer-tws.de) or technical and visual absolutely equal. |
| **CERTIFICATIONS, STANDARDS:** | The system is TÜV tested (German Association for Technical Inspection) and has a GS mark. The corresponding certificate must be presented. Systems without a valid TÜV GS test are not permitted To prove the sustainability of the product, the cubicle system must be PEFC (PEFC/04-31-3143) or FSC® (FSC-C147242) certified. The corresponding certificate from the cubicle’s manufacturer must be presented. Cubicle systems without a valid PEFC or FSC® certification are not permitted. It is not enough to provide a general certification of the used panels. The material used comply in detail with the following standards and regulations: * HPL compact panels according to DIN EN 438-7
* Stainless steel according to DIN EN 10088, material quality 1.4301, respectively ASTM A276, AISI 304
* Aluminium profiles according to DIN EN 573 and DIN EN 755, material quality EN WA6063. Surface treated (non-surface treated aluminium parts are not permitted) colourless anodized according to EURAS E6 / C-0 or DIN 17611 E6 / EV1 or powder coating according to DIN EN 12206-1
* Adhesives and sealants may only be used if they are not subject to classification according to the EU Chemicals Regulation (CLP regulation)
* The product complies with the European regulation of registration, evaluation, approval, and restriction of chemical substances (REACH). A corresponding declaration of conformity from the manufacturer can be submitted.
* Fastening materials such as screws, rivets, etc. galvanized or made of stainless steel
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| **DESIGN:** | Touch-free WC partition system. Doors and locks driven by motors with sensor control. Moisture resistant solid grade laminate panels built as a sandwich element by an aluminum frame. Absolutely moisture resistant, rot proof, scratch and impact resistant |
| **CONSTRUCTION:** | 36 mm thick, solid sandwich construction with a 3 mm solid grade laminate panel on both sides and an integrated aluminum frame. Plastic frames are not permitted. Element fillings through polyurethane foam (injection process), CFC-H free. Fillings made of polystyrene, inserted polyurethane plates and paper honeycombs are not permitted.The vertical edges of the elements (doors and side panels) consist of a rebated aluminium profile, lying flush in the wall plane. An aluminium profile 100 x 80 mm runs over the front for stabilisation.nThe wall connections are made by means of a shadow joint. The system is completely flush with the surface. Systems with attached aluminium profiles are not permitted.**As an alternative:** Construction with flame-resistant elements. Elements with 3mm thick solid grade laminate panels on both sides, fire protection class according to Euroclass EN 13501-1 C-s2,d0. Element filling with non-combustible aluminium honeycombs. Bonding by using special adhesive with shipbuilding approval (fire protection according to IMO). The classification certificates must be submitted. |
| **DOORS:** | Construction of doors corresponds to the front wall. Interior rebated door catcher flush integrated into wall section. Integrated rubber buffer lips for silent operation. Glued on buffers or any other tapes for silent operation are not permitted |
| **TOUCH-FREE FUNCTION:** | The complete system can be operated without contact. Sensors in the fixed front parts enable automatic opening of the doors. Sensors in the cubicle enable locking, unlocking and opening of the door. Doors equipped with pivot hinges up to 110° maximum door opening angle. Doors open inwards. Finger protection on hinge side by two aluminium profiles running into each other. Finger protection made of rubber is not permitted.The locking of the door is sensor-controlled. By contactless activation of the sensor in the cubicle, a bolt placed in the head profile locks the door. |
| **SAFETY EQUIPMENT:** | The system has extensive safety features. If the door is blocked, it stops. When the blockage is removed, the door follows the opening or closing direction. The door can be unlocked from the outside by means of a service key (e.g. in an emergency) or locked (e.g. in the event of a WC malfunction).In the event of a power failure, all doors locked at that time are automatically unlocked. These can then be opened manually. **As an alternative:** Doors equipped with emergency battery. This is permanently charged. 2 functions can be selected that react in the event of a power failure:**Option 1:*** The lock unlocks
* The door opens approx. 10 cm and can be comfortably grasped and opened by hand
* The LED is permanently green until the battery is empty (a kind of emergency lighting)
* Unlocked doors open 10 cm and cannot be used
* When the power returns, doors return to the home position

**Option 2:*** The door remains locked for another minute
* In this minute, the door can be operated normally by the user from the inside
* If the door is opened within this minute, it remains open for 10 cm afterwards and can no longer be used
* After one minute, the door unlocks and opens 10 cm and can then no longer be used
* Unlocked doors open 10 cm and cannot be used
* As soon as the power returns, the system moves to the home position
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| **POWER SUPPLY:** | On-site power supply (100 - 240 V AC, 50/60 Hz). For each 4 doors, a separately fused supply line (circuit breaker B16), provided at the end with a surface-mounted socket (external dimensions max. 80x80x60 mm). The surface-mounted socket must not be mounted on the wall but must hang approx. 2 meters out of the wall. Exact details of the required cable lengths will be provided by the supplier in the case of an order. The supply cable and the socket are accommodated in the head profile of the partition walls during installation. |
| **FUNCTIONS:** | The following functions can be configured according to the customer's wishes during assembly; later modifications according to the customer's wishes are possible:1. Door rotation speed
2. Hold-up time of the door to enter the cubicle
3. Push-open: When the door is pushed open manually, the drive unit registers this and starts the drive to support the turning movement. Adjustable: Function on/off
4. Signal tone when door is moved on/off
5. Emergency indicator: 30 minutes after the door has been locked from the inside, the LED flashes red. The flashing stops as soon as the door has been opened from the inside or outside (emergency unlocking).
6. Malfunction mode: if the door is permanently blocked by an obstacle, the drive switches off after 40 seconds, the LED indicator flashes red until the obstacle is removed.
7. Cleaning mode: door opens to 90° during cleaning, remains open, closes again when cleaning is finished so that cleaning staff can work unhindered

**As an alternative:** Doors and LED display equipped with a cleaning indicator. After an adjustable number of uses (10/20/30), an indicator lights up blue in the LED area, which is reset after cleaning has been completed by confirmation from the cleaning staff.**As an alternative:** Connection to building management system, e.g. fire alarm system. When activated, door is automatically unlocked and opened, LED flashes red. ***Please specify details of the building management system*** |
| **FEET:** | Necessary aluminium feet are set back 150 mm to the rear in the partitions. The front elements are stabilised by means of an aluminium node that is friction-locked to the partition wall and front element. The wall connection parts are additionally fixed to the wall by means of a stable aluminium angle for stabilisation |
| **STANDARD ACCESSORIES:** | Per cubicle 1 hook, 1 door buffer, Schäfer service key Look&Wave necessary for emergency unlocking and service functions**Optional accessories:**Schäfer hook stainless steel ES6010Schäfer hook with buffer stainless steel ES6007Schäfer toilet roll holder stainless steel ES6001Schäfer spare toilet roll holder stainless steel ES6002Schäfer toilet brush stainless steel ES6003Schäfer hook aluminium AL7010Schäfer hook with buffer aluminium AL7007Schäfer toilet roll holder aluminium AL7001Schäfer spare toilet roll holder aluminium AL7002Schäfer toilet brush aluminium AL7003 |
| **COLOURS:** | Panels and hardware according to manufacturer’s colour-chart. Internal frame profiles natural anodized (E6/EV1). All other profiles plastic coated (powder coating) acc. to colour chart or aluminium anodised (E6/EV1) |
| **HEIGHT:** | Standard height 2.090 mm incl. 100 mm clearance. |
| **ACCESSORIES:****02/2023** | Privacy screen 400 x 900 mm, made of the same material as the cubicle elements, wall mounted. Fastening by two anodized aluminium backets, which are screwed invisibly onto the back of the privacy screen and additionally stabilise it. Aluminium brackets with contact surface to the brick wall, which is additionally provided with adhesive to give a maximum hold. **As an alternative:** Privacy screen 400 x 900 mm, made of 10 mm thick safety glass with ceramic screen printing on one side. Wall mounted with four anodized aluminium brackets.  |