

## 30.63

### 30.63.19-a HORIZONTAL SLIDING DOOR

#### 0. HORIZONTAL SLIDING DOOR

Manufacturer: Metaflex Doors Europe BV

Type: Metaflex Medicare Intelligence

- Airtight: this sliding door is airtight up to a maximum overpressure of 100 Pa in accordance with ANSI/UL 1784:1997, established in the PEUTZ B1080-2 report.
- Noise reducing up to  $R_w=28$  dB (door leaf value) and  $R_w'p=27$  dB (practice value), according to ISO10140-2:2010 and ISO 717-1:2013,

Clear width (mm): determine from the drawing. Free passage - 120 mm.

Clear height (mm): determine from drawing

Door leaf:

- Door frame: the bright, anodised aluminium door blade profile has rounded corners that are flush with the door.
- door blade: 60-mm thick with a polyurethane core, 48 mm-thick MDF on both sides, 5.1-mm thick, high-pressure laminate finish, 0.9 mm thick, manufactured by Formica Velours, colour to be determined.
- sealing: the door blade is equipped with a three-sided rubber sealing profile. A drag rubber is mounted on a special guide on the bottom.
- opener: special stainless-steel inside-outside opener with lever principle.
- glass opening: double glazing, clear safety glass with Smart glass blinds, flush with the door surface on both sides, dimensions to be determined. The window comes with a 3-sided frame with LED lighting. The 3-sided horizontal wall frame is also provided, with wall-integrated monitor, on the closing side of the door. When closed, this visually creates a 4-sided illuminated surface.

Frame:

- Single-sided bright anodised aluminium stop profile, reveal finish by third parties.

Rail construction:

- aluminium rail construction, hermetically sealed, with a sloping and detachable aluminium cover in RAL 9006 colour.

Accessories:

- delivery package includes door with window and frame in LED lighting in door and wall. The monitor next to the door on the closing side is a third party delivery / optional offering by Metaflex.
- facilities to be included in the walls for fixing door, rail and suchlike to be provided by third parties. Recesses in walls necessary for the LED lighting and monitor is provided by third parties / optional offering by Metaflex.
- medical earthing: the door leaf, rail, cover, automaton and frame are grounded by means of a sliding contact, including the insulated building mass for Class 3 and 3 rooms.

# SL Hygienic Medicare Intelligence

Options:

- Malmö-type Metaflex system frame consisting of a two-sided bright anodised aluminium stop profile with a reveal finish in the same version as the door blade.
- Battery Pack instead of Power Supply which can also serve as an emergency power supply in case of power failure.

## 4. FINISHING WORK ADJUSTMENTS & LEVELLING

Finishing on behalf of subcontractor

## 6. SLIDING DOOR MECHANISM)

Manufacturer: Metaflex Doors Europe BV

Drive:

- electrical automation, type SDA-05 PRO with Power Supply. Microprocessor controlled and regulated electromechanical sliding door operator (230 Vac) prepared for connection to optional BMS and equipped with fault indication, to be read via QR code. In case of power failure the door can be opened manually. Opening speed adjustable up to max. 800 mm/sec.

Security:

- I.R. daylight protection above the clearance opening.
- continuous control of the door speed.

Sluice operation function:

- provided as standard with lock function control between this door and 9 more doors by means of CAN bus connection, provided with SDA automation by means of interruption of the control circuit; if several doors are put into lock function, an optional interlock control is required.
- Lock:
- the door is equipped with a motor blockage that can lock the door, if desired.

Intelligence:

- the automaton is part of a network through an MDS (Metaflex Door Server) interface. A touchscreen main panel (in the OR) and touchscreen door panel (outside of the OR) allow for communication with the automaton for controlling the door, window and LED lighting. The panels can display process-critical parameters fed with information from the network. Hardware (panels) and software is a third-party offering / optional offering by Metaflex.

## 01. INSIDE DOOR

On-site sliding door from