

Tender specification text

Product: Aluminium sliding door
Type: AL603S hand operated/power operated
Manufacturer: SCHNEIDER
Technical design in accordance with the applicable standards and regulations for the protection of employees.

Area of application:

Door for industry and workshops. An accurately designed door for every requirement. A solid sliding door contains virtually no wear parts so there are minimal maintenance and servicing costs.

U value approx. 3 W/m²K (depending on the door infill)

Operation: manually operated with hook lock or with electric drive

General design:

Fully functional aluminium sliding door in self-supporting frame construction, with thermally separated profiles. Door leaf comprising bolted extruded hard-aluminium profiles.

Construction depth 60 mm, profile width 87 mm

Infill with dual-wall construction elements (panels or glass)

Running rail produced from extruded aluminium profile with downward opening, 5 mm wall thickness, dimensions 85 x 135 mm; 4.7 kg/m with integrated seal carrier and continuous lip sealing. Suspension of the door leaves by horizontal and vertical guided roller units. Roller diameter 80 mm, plastic-coated for vertical guidance and 2 roller diameter of 65 mm for horizontal guidance. Dust-proof, maintenance-free ball bearings.

Floor stop by means of floor bracket 50/50/5 mm hot-dip galvanised incl. claws. Panels inserted into frame profile.

Locking via hook lock or electric drive.

Frame:

Wall thickness of the profiles at least 2 mm aluminium. 2 separate extruded aluminium profiles, connected by a glass fibre reinforced plastic web. The heat flow from inside to outside is thus significantly reduced, but the overall stability of the construction is not affected.

Profiles are connected by means of a solid corner connection profile (no welded connection). The frame cross profiles are fixed with pressed-in aluminium parts, corner connections with double screwing, transom connections with single screw connection using M8 steel screws. Connections with screw channels and self-tapping screws are not permitted

Infill:

Double-walled, insulated sandwich panel.

Consisting of 1 mm hot-dip galvanised sheet steel outside and inside, fully bonded with 40 mm hard foamed polystyrene (total thickness 42 mm) or with perforated aluminium sheet, perforated cross-section 7x7 mm, ventilation cross-section 50 % of the surface.

Standard separation > 3200 mm height 1 horizontal transom, separation vertical transom: STAB up to 2400 1 transom, STAB > 2400 to 3600 mm 2 transoms, STAB > 3600 to 4800 mm 3 transoms. Glazing with insulating hard glass (safety glass) H4/16/ H4 with a U-value of 1.1 W/m²K.

Dry glazing (without silicone) inside with aluminium retaining strips A6/C0 anodised with EPDM clamping rubber (different glass infills are possible on request).

Max. 2 m² glass panels.

Surface:

Standard: A6/C0 anodised

Optional: Powder-coated in façade quality RAL standard colour of your choice, optionally matt or glossy

Anodising: = anodic oxidation of aluminium. In this electrochemical process, the natural oxide layer of the aluminium is reinforced and the metallic character is retained. Frame, filling and pole profile can be coated in different colours without extra charge.

6 years warranty on the surface with appropriate care.

Powder coating: Here, after appropriate pre-treatment, an organic powder coating with an average thickness of 65 µm is applied. The coating is cured in a drying oven.

Frame:

Lateral frame profile and running rail without thermal separation made of an extruded aluminium profile (60 x 75; 3.3 kg/m) on the door entry side. Seal stop on the opposite side.

The frame profile is attached to the running rail profile with a bolted connection.

Mounting:

Complete mechanical assembly incl. possibly required hoists or crane. Including sealing to the mounting surface by means of compriband but without connection sheeting or jointing.

Size:

Clear wall width:mm

Clear wall height:mm

Mounting in front/behind the reveal:

Outer frame width (max. 1-part 4.8 m)

Outer frame height (max. 5 m).....

Fields per leaf:

Number of fields with panel infill:

Outer panels:

Inner panels:

Number of fields with glazing:

Frame transom profiles:

Running rail:

Ground detail:

Labour EUR

Miscellaneous EUR

ST Unit price EUR EUR

Special version:

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Labour EUR

Miscellaneous EUR

ST Unit price EUR EUR

Pedestrian doors in the door leaf:

Pedestrian door built into sliding door

Profiles of the door as for the sliding door

Ground sill profile max. 40 mm (special version with 10 mm possible)

Door closer Dorma TS 92 with opening limiter

Handle/flat lever handle made of anodised aluminium

Panic lock pusher/pusher, function B

Panic lock pusher/fixed knob, function E

Labour EUR

Miscellaneous EUR

ST Unit price EUR EUR

Special stainless steel version

(washing boxes, sewage treatment plants, salt storage):

Drives, locking bars, screw connections,
Mounting bracket and base profile in stainless steel V4A

Labour EUR.....
Miscellaneous EUR.....

ST Unit price EUR.....
EUR.....

POWER-S sliding door drive:

Electromechanical sliding gate drive
Worm gear motor with integrated frequency converter stationary mounted on a local wall bracket at the side of the reveal.
An HTD 8M toothed belt system 20 mm thick, is tensioned like a linear rack parallel to the running rail in an additional running rail and is steered by a toothed belt pulley mounted on the drive. The ball bearing mounted carrier connected to the toothed belt is fixed to the door leaf and is guided in the additional running rail. The open and closed door position can be optimally adjusted using the digital limit switches.
Manual emergency operation by means of a disengaging coupling

Motor data: IP 65, 50-60 Hz, 10-80 rpm, 0,85 kW, 400 V
Opening speed: v = max. 240 mm/sec.

Controls: Dead man CLOSED / Dead man OPEN
Housing with IP54 protection, contact protection by covering of live parts, integrated OPEN-STOP-CLOSE button, with CEE plug and 1-m cable, setting via rotary selector and 7-segment display, status and information display, cycle counter, programmable relay contact, maintenance cycle counter.
Including cabling at the gate and commissioning.
Electrical main connection on site.
Incl. initial technical acceptance by civil engineer and defect-free inspection book.

Labour EUR.....
Miscellaneous EUR.....

ST Unit price EUR.....
EUR.....

ST Unit price EUR EUR.....

Automatic closure surcharge:

Opening and closing in self-retaining mode, partial opening possible, with 2 leaves packages (left+right) can be operated individually, safety edge on the main closing edge and secondary closing edge, light barrier transmitter-receiver. Installation of the light barrier on one side 0.4 m for cars and 1.0 m for trucks. Automatic closing, termination of the open time after passage. 2 pcs. red traffic lights with LED luminaries for inside and outside incl. cabling. No power cut-off, endangered areas must be additionally insulated

Labour	EUR	
Miscellaneous	<u>EUR</u>	
ST Unit price	EUR	EUR.....

Radio board:

Radio board integrated in the control system

Labour	EUR.....
Miscellaneous	<u>EUR.....</u>
ST Unit price	EUR.....
EUR.....	

Handheld transmitter:

Handheld transmitter 4 channel

Labour	EUR.....
Miscellaneous	<u>EUR.....</u>
ST Unit price	EUR.....
EUR.....	