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## Tender Description

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### Turnstile TurnSec 4.0

Two-directional and electrically lockable turnstile consisting of rotor, guide and deflecting element, top frame, bottom frame for installation with 200 mm lowered foundation as well as drive housing with drive and control unit

Optional: turnstile for installation on FFL / without lowered foundation

#### OPERATING MODE:

Motor-assisted operation TOURNAMATIC – following release and manual triggering of the rotor the motor-assisted passage is executed, and the rotor is subsequently locked in the end position

Turnstile fail safe in exit direction and fail secure in entry direction during power failure

Optional: Turnstile fail safe in both directions during power failure

Throughput: approx. 15 persons/min (single release)

#### DIMENSIONS:

Height x Length x Width = 2630 x 1600 x 1500 mm

Passage height: 2140 mm

Passage width: approx. 620 mm between rotor and end post of guide element  
approx. 700 mm between operating post and end post of guide element

Diameter rotor: 1220 mm

#### ROTOR:

Column made of round hollow section D88.9 with three rows of welded on trombone arms made of round hollow section D26.9, 120°

#### GUIDE ELEMENT:

Consisting of two end posts and one centre post made of rectangular hollow section RHS 150x100 and curved side elements with perforated sheet, round holes in straight rows, 40 mm hole width, 65 mm spacing

Optional: side elements with vertical bar infill made of round hollow section D26.9 or guide housing made of steel with aluminium door

#### POSITIONING OF GUIDE ELEMENT:

Guide element on the left-hand side viewed from the outside

Optional: Guide element on the right-hand side viewed from the outside

#### DEFLECTING ELEMENT:

Consisting of two operating posts (= end posts) for the installation of control devices and one centre post made of rectangular hollow section RHS 150x100, curved side elements with perforated sheet, round holes in straight rows, 40 mm hole width, 65 mm spacing and deflecting arms D40 screwed onto the operating posts on the inside and outside

Optional: side elements with vertical bar infill made of round hollow section D26.9

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### OPTIONAL FEATURES:

- LED-illumination with or without twilight switch
- railing panel for multiple turnstile unit with single shell canopy or Makrolon roof

### DRIVE HOUSING:

Drive housing H x B x T: 237.5 x 1500 x 480 mm mounted on top frame complete with inspection door, opening upwards incl. sash fastener lock

### DRIVE UNIT:

Gear motor in combination of 1 pc. indexing freewheel and electromagnetic brake with 1 pc. indexing freewheel and permanent magnetic brake  
Optional: combination of 2 pcs. indexing freewheels with 1 pc. electromagnetic brake each (optional)

Motor: 1 ~ 230 V  $\Delta$ , 50 Hz

Proximity limit switches for turnstile end positions

### CONTROL UNIT:

WE-Tronic II with contactor board, installed in drive housing, control voltage 24 V DC start memory for high throughput efficiency, stop in end position preventing revving up of the rotor, automatic locking after elapsed time (time-out, adjustable 0 – 500 sec)

### SUPPLY VOLTAGE:

230 V (1Ph + N + PE), 50 Hz

### CONTROL DEVICES (OPTIONAL):

- table top push button with selector switch for free entry, free exit and blocked as well as push button for single release entry and exit
- push button single release
- Lumitas-push button incl. LED-indication red/green
- key switch single release
- key switch free access
- code key pad
- proximity card reader
- traffic light red/green
- traffic light pictogram green arrow / red cross
- intercom system

### SURFISH FINISH:

rotor: stainless steel V2A

bottom frame: hot-dip galvanised

guide element, deflecting element, top frame and drive housing:

powder-coated in standard-colour RAL 6005 – moss green, RAL 7016 – anthracite grey, RAL 7030 – stone grey, RAL 7035 – light grey or RAL 9010 – pure white

Optional: guide element, deflecting element, top frame and drive housing

powder-coated in special RAL-colour

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**WEIGHT:**

Approx. 660 kg (without roofing)

**FOUNDATION:**

Foundation with secondary reinforcement according to manufacturer's instructions

**MANUFACTURER:**

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