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## Tender Description

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### **Quick Folding Gate I (QFG I)**

Double leaf Quick Folding Gate with gate leaves, drive posts, electro-mechanical drives and control unit.

#### **DIMENSIONS:**

Clear Width (CW):

from 3000 - 6000 mm in 500 mm increments

Distance between posts: CW + 520 mm

Gate height (incl. 100 mm ground clearance): 2050 mm or 2450 mm

Foundation depth: 900 mm

Foundation top edge: 200 mm below finished floor level

Optional: alternative floor recess for up to 200 mm lowered foundation

#### **OPENING DIRECTION VIEWED FROM THE OUTSIDE:**

Opening inwards

Optional: opening outwards

#### **OPENING ANGLE:**

90° maximum opening

#### **GATE LEAVES:**

Gate leaves frame made of rectangular hollow section

RHS 80x60x3

#### **GATE INFILL:**

Bar infill made of rectangular hollow section RHS 30x20 with a clear distance of max. 120 mm.

#### **ANTI-CLIMBING DEVICE (OPTIONAL):**

Serrated top rail

#### **GATE POSTS:**

Drive posts made of square hollow section SHS 200x6

complete with welded-on top plate and base plate to bolt onto

foundation Optional: Post(s) fitted with fence connection system

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**LOCKING:**

Locking via drive system and mechanical locking device consisting of gate reception fork on one folding gate leaf and infeed rollers on the other folding gate leaf.

**OPERATING SPEED:**

up to 1.0 m/s (double leaf, depending on CW)

**DRIVE UNIT:**

Drive unit systems consisting of gearbox motor, base plate, drive arm, manual release, limit switches, limit switch cams and drive unit cover

Motor: 0.25 kW, 3~ 230 V  $\Delta$ , 50 Hz

**EMERGENCY OPERATION DURING POWER FAILURE:**

Manual operation following removal of padlock and release of drive arm

**CONTROL UNIT:**

Control unit WE-Tronic II complete with 2 nos. frequency converters 0.75 kW in control box HxWxD=600x400x210 mm, prepared for automatic functions, control voltage 24 V DC.

**CONTROL BOX:**

Fitted with rain cover and mounted to one of the drive posts  
Optional: for wall installation inside a building, max. distance 50 m  
Optional: installed in separate outdoor cabinet  
HxWxD=1200x600x400 mm incl. 200 mm high socket,  
max. distance 50 m

**SUPPLY VOLTAGE:**

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

**CONTROL DEVICE:**

1 no. key switch "Open-Stop-Close" in one of the drive posts  
(on the outside for opening direction inwards and on the inside for opening direction outwards respectively)

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### **SAFETY DEVICES:**

Safety edges to stop and reverse the gate by approx. 10 cm in opposite direction on contact.

4 nos. horizontal safety edges on bottom rails

2 nos. vertical safety edges on front side stiles

Light beam between drive posts at car and HGV height as well as in separate light beam posts on the side of the folded gate leaves at car height

### **CERTIFICATION:**

Type-tested by UL

### **CONTROL DEVICES (OPTIONAL):**

Induction loops, additional light beam in light beam posts at HGV height, additional key switch OPEN/ CLOSE / STOP, key switch OPEN / CLOSE / EMERGENCY STOP, key switch ON / OFF for automatic closing etc., key switch partial opening, key switch fire brigade, remote control with hand held transmitter, table top push button, timer, code key pad, card reader, intercom system

### **SIGNALLING DEVICES (OPTIONAL):**

Flashing permanent light or rotating beacon (LED), LED spot light, traffic light

### **STATUS INDICATION (OPTIONAL):**

Potential-free contacts "Gate open/closed"

### **FINISH:**

Hot-dip galvanised finish or hot-dip galvanised and powder-coated in Standard RAL colour 6005, 7016, 7030, 7035 or 9010

Optional: all other RAL colours

### **WEIGHT:**

Approx. 650 kg for maximum applicable dimension

### **FOUNDATION:**

Reinforced foundation according to manufacturer's instructions