

## BILL OF QUANTITIES – DEEP-FREEZE APPLICATION

POS.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
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### 01.01 DEEP-FREEZE DOORS

#### 01.01.0010 HIGH-SPEED ROLL-UP DOOR

**Reference product:** EFAFLEX Type EFA-SRT®-L Premium

**Dimensions:** 0.000 × 0.000 mm

**Manufacture, delivery and installation of:**

High-speed roll-up door type EFA-SRT®-L Premium in a special configuration for use in deep-freeze areas, available in various versions.

Version 1:

Application as an airlock to deep-freeze zones (< 0°C).

Function: Combination with a deep-freeze sliding door (SRT door installed only on the warm side > 0°C).

Version 2:

Use on both sides in deep-freeze areas.

Function: -1°C to -25°C on both sides, with a temperature differential of up to 10°C.

Version 3:

Use on both sides in deep-freeze areas.

Function: -1°C to -28°C on both sides, with a temperature differential of up to 10°C.

The door system includes, in addition to a standard frequency converter and a microprocessor control unit, all essential features of modern door technology such as dynamic curtain tensioning and a spring-assisted counterbalance system.

All visible parts of the self-supporting, enclosed door construction are supplied in galvanized finish.

The door system is delivered with a full cover for the drive unit and the shaft.

The control unit is located in an external control cabinet.

The door curtain is made of a non-transparent deep-freeze curtain approx. 1.5 mm thick, consisting of PES fabric with wind reinforcements.

It is wound onto a horizontally mounted shaft (also stainless steel).

Available colours: blue (approx. RAL 5002), orange (approx. RAL 2008), red (approx. RAL 3002), yellow (approx. RAL 1021)

Safety Equipment:

Version 1:

Scope of supply includes a one-way light barrier integrated into the door frame, and a self-monitoring electric safety edge according to DIN EN 12453.

Signals from the safety edge are transmitted via a wireless connection.

Versions 2 and 3:

Scope of supply includes a door line light grid integrated into the door frame.

A manual release lever mounted on the frame allows for quick emergency disengagement of the door, e.g. in case of power failure.

**OPENING SPEED:** approx. 2.0 m/s

**MAX. CURTAIN SPEED:** up to approx. 2.5 m/s (depending on door size)

**CLOSING SPEED:** approx. 0.75 m/s

Connection by customer: 230 V / 50–60 Hz, protection 16 A

Including functional testing and commissioning for clear opening  
(max. W × H = 4,000 × 4,000 mm)

Width = ..... mm × Height = ..... mm

Manufacturer Verification:

EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG  
www.efaflex.com

Offered Product:

EFAFLEX Type EFA-SRT®-L Premium  
(Tenderer specification)

1.000 pcs ..... ..

**01.01.0020 Powder Coating**

Powder-coating of all visible steel parts according to RAL  
(pearl and luminous colours excluded)

1.000 pcs ..... ..

**01.01.0030 Stainless Steel Version**

All visible sheet-metal components in stainless steel (V2A),  
including V2A bearings for deflection and running rollers.  
(Small parts located inside the frame are not stainless steel.)

1.000 pcs ..... ..

**01.01.0040 Drive Motor Heating**

(Mandatory for Versions 1 and 2)

1.000 pcs .....

**01.01.0050 Control Cabinet Heating**

(Mandatory for Versions 1 and 2)

1.000 pcs .....

**01.01.0060 Impulse Generator:**

Pull switch with red pull cord  
for ceiling installation

1.000 pcs .....

**01.01.0070 Impulse Generator:**

Push-button  
(mushroom head, black or red)

1.000 pcs .....

**01.01.0080 Impulse Generator / Safety:**

Motion detector (radar technology),  
adjustable detection field with direction recognition  
(Only active for safety when the door is open; inactive when closed)

1.000 pcs .....

**01.01.0090 Impulse Generator / Safety:**

Two-channel induction evaluation unit  
including installation of two induction loops  
(one on the door side and one on the opposite side)

1.000 pcs .....

**01.01.0100 Control Extension GVM:**

Mutual interlocking of two EFAFLEX high-speed doors,  
including wiring up to max. 5 m in customer-provided cable routing

1.000 pcs .....

**01.01.0110 Control Extension for Conveyor Technology:**

Separate terminal section in the standard control cabinet  
for the following inputs and outputs:  
Inputs: open pulse, close pulse, emergency stop, interlock, impulse devices  
Outputs: potential-free signals "Door Open", "Door Closed",  
potential-free signal "Ready/Fault"  
(outputs suitable up to max. 24 V DC)

1.000 pcs ..... ..

01.01.0120 Signal Lights:

Flashing light in yellow or red

1.000 pcs ..... ..

01.01.0130 Impact Protection Bollard:

FLEXCORE 6, consisting of  
a robust metal core, rotatable HDPE outer shell,  
and shock-absorbing elastic ring  
Height: 1,370 mm  
Diameter: 182 mm

1.000 pcs ..... ..

01.01.0140 Mechanical Emergency Release

For the opposite side of the door, operated by lever  
(flush-mounted or surface-mounted),  
enabling partial opening of the door system  
via spring force (brake release)

1.000 pcs ..... ..

01.01.0150 Control Cabinet Accessories

Control cabinet stand AE1060,  
powder-coated in RAL  
for control cabinet 600 × 600 × 210 mm,  
wall-mounted

1.000 pcs ..... ..

01.01 Cold-Storage Doors                      Total: .....