



Be ahead



SUB

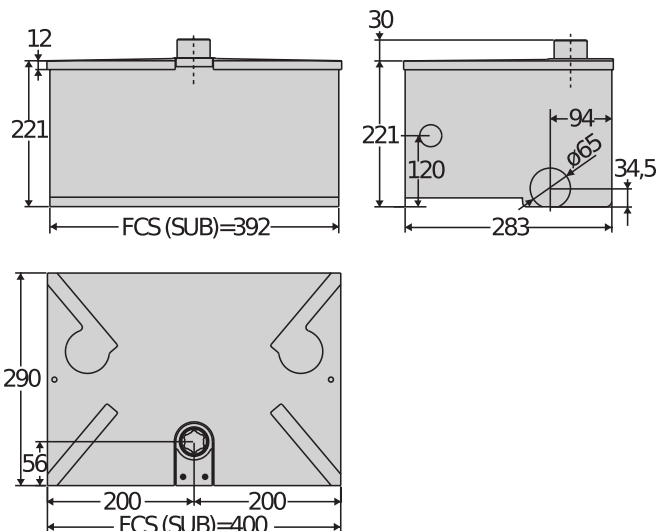




SUB



Hydraulic automation systems for swing gates



Complete range of underground hydraulic operators for very intensive use, suitable for any type of residential, industrial or multi-residence application.

Compact and sturdy, capable of automating swing gate leaves up to 3.5 metres wide and weighing up to 800 kg.

Available in reversible and non-reversible versions, with or without slowdown during opening and closing and with opening angles up to 180°.

Relevant features



The monoblock structure gives the possibility of a very neat installation that is extremely reliable over time.



The closing slowdown guarantees silent, smooth movements on even the biggest gates. Also, the adjustment screw makes it possible to adapt the slowdown intensity to needs of each situation.



Control unit with programming display and new, simplified scenario-based programming



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SUB

Code	Ci	Name	Description
P930026 00001	2600858	SUB DX	In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1,8 m. Manoeuvre time 24 s. Right operator. very intensive
P930026 00002	2600859	SUB SX	In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1,8 m. Manoeuvre time 24 s. Left operator. very intensive
P930012 00005	2601416	SUB R DX	In-ground 230 V irreversible hydraulic operator for swing gates up to 1,8 m with slowdown. Maneuver time 14+slowdown s. Right operator. Slowdown
P930012 00006	2611674	SUB R SX	In-ground 230 V irreversible hydraulic operator for swing gates up to 1,8 m with slowdown. Maneuver time 14+slowdown s. Left operator. Slowdown
P930009 00004	2601480	SUB E DX	In-ground 230 V hydraulic operator Reversible for hinged leaves up to 2,5 m. Manoeuvre time 24 s. Right operator. very intensive
P930009 00005	2611668	SUB E SX	In-ground 230 V hydraulic operator Reversible for hinged leaves up to 2,5 m. Manoeuvre time 24 s. Right operator. very intensive
P930014 00005	2611681	SUB EL DX	In-ground 230 V hydraulic operator Reversible for hinged leaves up to 3,5 m. Manoeuvre time 33 s. Right operator. very intensive
P930014 00006	2600973	SUB EL SX	In-ground 230 V hydraulic operator Reversible for hinged leaves up to 3,5 m. Manoeuvre time 33 s. Left operator. very intensive

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



Cp D113833 00002 - Ci 2600589 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

	SUB DX	SUB SX	SUB R DX	SUB R SX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W
Max. width of door/gate wing	1,8 m	1,8 m	1,8 m	1,8 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	130 °	130 °	130 °
Cycle time	24 s	24 s	14+slowdown s	14+slowdown s
Type of limit switch	work time	work time	work time	work time
Slowdown	no	no	Yes	Yes
Locking	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Triangle key	Triangle key	Triangle key	Triangle key
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C






SUB



Hydraulic automation systems for swing gates

	SUB E DX	SUB E SX	SUB EL DX	SUB EL SX
Control unit	RIGEL G	RIGEL G	RIGEL G	RIGEL G
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W
Max. width of door/gate wing	2,5 m	2,5 m	3,5 m	3,5 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	130 °	130 °	130 °
Cycle time	24 s	24 s	33 s	33 s
Type of limit switch	work time	work time	work time	work time
Slowdown	no	no	no	no
Locking	Open/close hydraulics	Open/close hydraulics	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

VITAL ACCESSORIES

 Cp N733066 00003 - Ci 2600784 FCS DX Foundation box designed for fitting the SUB right-hand operator, allowing easy maintenance without ever having to disassemble the gate leaf	 Cp N733066 00004 - Ci 2600785 FCS SX Foundation box designed for fitting the SUB left-hand operator, allowing easy maintenance without ever having to disassemble the gate leaf
 Cp N733092 - Ci 2600370 CPS G Weight-bearing foundation box for preparation for assembly of SUB G right and left operator	

RECOMMENDED ACCESSORIES

 Cp D111013 - Ci 2607261 ME Control board for 12Vac solenoid lock for 230V automation systems	 Cp P111782 - Ci 2601411 COMPACTA A20-180 Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.
 Cp D114093 00002 - Ci 2607538 RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with 230 V power supply.	 new Cp P123032 00001 - Ci 2613516 EBP AC A 230V 50/60HZ 230V vertical electric lock.



SUB



Hydraulic automation systems for swing gates

EasyAXS

EASY CONNECT. EASY ACCESS.



The new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users.

1

EASY TO CONNECT



PLUG&PLAY
CONNECTIVITY MODULE
FOR QUICKLY CONNECTING
BFT SOLUTIONS



2

EASY TO SET UP



CONFIGURATION
AND
MANAGEMENT OF
THE MOTOR WITH
THE **EasyAXS app**

3

EASY TO CONTROL



TaHoma app
TO PROVIDE CUSTOMERS
WITH A SMART SOLUTION
FOR ACCESSING THEIR
HOMES





SUB

URBAN
ACCESS AUTOMATION

BUILDING
ACCESS AUTOMATION

H O M E
ACCESS AUTOMATION

Hydraulic automation systems for swing gates

EASY TO CONNECT

WIFI MODULE



→ 10/15 metres

WIFI MODULE + ANTENNA



→ 20/25 metres

MOBILE MODULE + ANTENNA + SIM



→ ∞



**PLUG&PLAY
INSTALLATION**



**ALWAYS
CONNECTED**



**EVEN MORE
CONNECTIVITY**



**EASY TO SET UP
FOR INSTALLERS**



**EASY TO CONTROL
FOR CUSTOMERS**





SUB



Hydraulic automation systems for swing gates



U-LINK 2.0

AN UPDATED VERSION OF
U-LINK TO GIVE YOU EVEN
MORE FUNCTIONALITY



Scalable

You can add as many devices as you want



Intuitive

Easy to install and to use



Functional

Settings can be controlled and firmware updated remotely using dedicated applications



Practical

Works with or without an internet connection



Flexible

It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

It allows you to save even more time, checking everything very easily and giving you even more peace of mind.



Hydraulic automation systems for swing gates



A NEW AND EVEN MORE SECURE RADIO PROTOCOL



Secure

By transmitting data protected by a cryptographic key

U-Security is the new technology from **BFT** which incorporates encrypted rolling code thanks to the encryption key which masks the remote control code, meaning that it is impossible to clone a BFT remote control using another brand's model.



Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app

The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are **REPLAY**, so they can transmit the code to another BFT remote control using a combination of keys.



Universal

The radio protocol is also compatible with the previous generation of receivers

