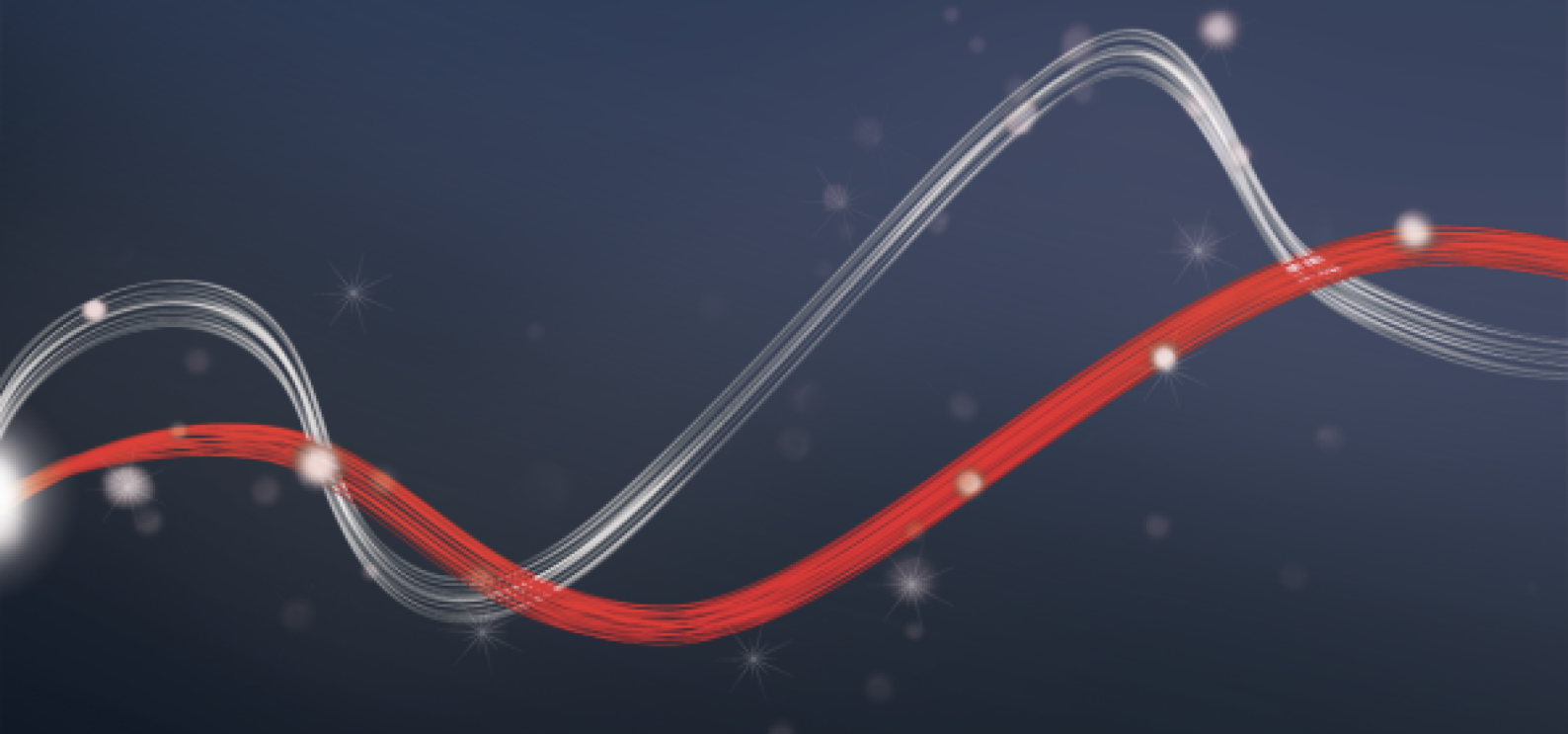




Be ahead

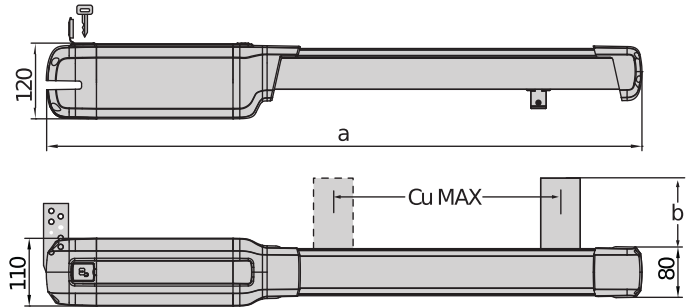


# PHOBOS AC A





## Electromechanical automation systems for swing gates



|                      | a   | b    | Cu MAX |
|----------------------|-----|------|--------|
| <b>Phobos BT A25</b> | 850 | 72,5 | 290    |
| <b>Phobos BT A40</b> | 960 | 108  | 400    |
| <b>Phobos AC A25</b> | 850 | 72,5 | 350    |
| <b>Phobos AC A40</b> | 960 | 108  | 460    |

Complete range of electro-mechanical pistons for residential use, suitable for swing gates up to 5 metres in length and up to 500 kg in weight. Simplified and intuitive wiring: the new ALENA control units allow slowdowns, are equipped with standardised and coloured terminal blocks for the simple connection of operators and accessories.

### Relevant features



**Magnetic pin:** an exclusive feature of Bft operators enabling quicker installation steps, making them easier and always ensuring correct rear locking of the operator

### ADVANTAGES

**Simplified and intuitive wiring:** the new ALENA control units allow slowdowns, are equipped with standardised and coloured terminal blocks for the simple connection of operators and accessories.





## Electromechanical automation systems for swing gates

### PHOBOS AC A

| Code          | Name                  | Description   |
|---------------|-----------------------|---|
| P935098 00002 | PHOBOS AC A25         | Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 2.5 m long. Working time limit switch |
| P935098 00001 | PHOBOS AC A25 120 V   | Irreversible electromechanical operator 120 V for swing gates weighing up to 400 kg and 2.5 m long. Working time limit switch |
| P935097 00002 | PHOBOS AC A50         | Irreversible electromechanical operator 230 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch   |
| P935097 00001 | PHOBOS AC A50 120V    | Irreversible electromechanical operator 120 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch   |
| R935304 00003 | PHOBOS AC KIT A25 FRA | Complete kit 230 V for swing gates up to 400 kg in weight and 2.5 m in length. Working time limit switch                      |

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



##### D113833 00002 - 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 600+600W
- 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
























|                               | PHOBOS AC A25      | PHOBOS AC A25 120 V | PHOBOS AC A50      | PHOBOS AC A50 120V |
|-------------------------------|--------------------|---------------------|--------------------|--------------------|
| Control unit                  | RIGEL 6, ALENA SW2 | ALENA SW2           | RIGEL 6, ALENA SW2 | ALENA SW2          |
| Board power supply            | 230 V              | 230 V               | 230 V              | 230 V              |
| Motor voltage                 | 230 V              | 120 V               | 230 V              | 120 V              |
| Power consumption             | 210 W              | 210 W               | 210 W              | 210 W              |
| Max. width of door/gate wing  | 2,50 m             | 2,50 m              | 5 m                | 5 m                |
| Max. weight of door/gate wing | 400 kg             | 400 kg              | 500 kg             | 500 kg             |
| Useful rod stroke             | 350 mm             | 350 mm              | 460 mm             | 460 mm             |
| Maximum angle                 | 120 °              | 120 °               | 129 °              | 129 °              |
| Cycle time                    | 14 s               | 14 s                | 18 s               | 18 s               |
| Type of limit switch          | work time          | work time           | work time          | work time          |
| Slowdown                      | Yes                | Yes                 | Yes                | Yes                |
| Locking                       | Mechanical         | Mechanical          | Mechanical         | Mechanical         |
| Release                       | Personal key       | Personal key        | Personal key       | Personal key       |
| Impact reaction               | Electronic clutch  | Electronic clutch   | Electronic clutch  | Electronic clutch  |
| Frequency of use              | Semi intensive     | Semi intensive      | Semi intensive     | Semi intensive     |
| Protection rating             | IPX4               | IPX4                | IPX4               | IPX4               |
| Environmental conditions      | -20 ÷ 55 °C        | -20 ÷ 55 °C         | -20 ÷ 55 °C        | -20 ÷ 55 °C        |





## Electromechanical automation systems for swing gates

### RECOMMENDED ACCESSORIES

|  |  |   |   |
|--|--|---|---|
|    | <p>D113811 00004 - <b>ALENA SW2</b></p> <p>Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors</p>   |    | <p> N733427 - <b>ARB PHOBOS N</b></p> <p>Front and rear adjustable bracket for PHOBOS operator</p>   |
|    | <p> N733428 - <b>ARB PHOBOS N L</b></p> <p>Front and rear adjustable bracket for PHOBOS operator</p>  |   | <p> N733427 00001 - <b>ARB PHOBOS 25</b></p> <p>Adjustable front mounting bracket, Phobos A 25</p>   |
|    | <p> N733428 00001 - <b>ARB PHOBOS 40</b></p> <p>Adjustable front mounting bracket, Phobos A 40</p>  |    | <p> N735002 - <b>SFR B</b></p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)</p>                                     |
|   | <p> N735003 - <b>SFR-L B</b></p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)</p>                                       |   | <p> N735002 00001 - <b>SFR B - COMPLETE</b></p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p> |
|  | <p> N735003 00001 - <b>SFR-L B - COMPLETE</b></p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p> |  | <p>D730178 - <b>PLE</b></p> <p>Anchor plate for welding the mountings to masonry pillars for LUX, ORO, PHOBOS operators</p>   |
|  | <p> D114094 00002 - <b>RADIUS LED AC A RO</b></p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>                    |  | <p> D114093 00002 - <b>RADIUS LED AC A R1</b></p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>                    |
|  | <p> P111782 - <b>COMPACTA A20-180</b></p> <p>Pair of photocells adjustable 180° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc</p>           |   |   |





Electromechanical automation systems for swing gates

# What is U-Link?

The technology that gives you more power

U-Link, Universal Link, is an exclusive BFT platform that can be used to create high-tech ecosystems. In Home Access Automation, it can be used to communicate with all home access automation devices of any brand. This saves you time and allows you to control everything easily and without any worries.

## It is intuitive

Easy to install and to use

## It is scalable

You can add as many devices as you want

## It is flexible

It allows you to create groups of interconnected products

## It is practical

Works with or without an internet connection

## It is functional

Its settings can be controlled remotely using dedicated applications



## Electromechanical automation systems for swing gates

### Everything on one screen: find out more about this amazing technology

A world-exclusive platform that **can be used to create high-tech ecosystems** offering a vast range of solutions for many different sectors.

This proprietary platform which is a key feature of BFT products, thanks to the B-EBA cards and the Clonix U-Link receiver, is suitable for any protocol or product for access automation (including BFT products non-BFT ones and older versions) and it can be used in a variety of different sectors. This means any device becomes a smart device which can be interconnected with other systems, using a language that is becoming universal.



#### U-Control HOME

U-Control HOME is the application that allows you to open the gate to your home and to remotely control BFT automations using your own smartphone. The iOS version can be used to automatically open the automation when you are close to it.



#### U-Base 2

A software package for installation, performing maintenance and identifying any faults in the U-Link compatible operators, easily and conveniently.



#### U-SDK

U-SDK is the application which allows BFT automations to be made compatible and easily integrated with a BMS network.



#### Clonix U-Link

Connect non-native U-Link and non-BFT products to U-Link systems.

Is it possible to connect non-native U-Link BFT operators or other brands of products to U-Link? Yes, thanks to the Clonix receivers. Accessories which accept no limits.



#### B-EBA

A direct link to your operators.

The B-EBA expansion cards make it possible to connect external devices such as PCs, smartphones and tablets to a BFT operator and a Clonix receiver or to connect multiple BFT products in a U-Link network. These accessories integrate with U-Link technology and with Bluetooth, Wifi, Z-Wave and TCP/IP protocols as well as with the RS485 serial interface. A device that demonstrates exactly what BFT means by interconnectivity.

