

## Engine protection

Against overload and overvoltage by using a motor circuit breaker, lockable from outside the box. Management of limit switches while opening and closing action.

## Local signaling and control

Remote control to perform activities from the power box itself. Signaling opening, closing actions and thermal breakdown.

## Easy and quick connecting

Every connection is done through connecting terminals or at the bottom of each element. Settled with input/output terminals (control and power) for an efficient bus connection.

## Secure assembly

Settled with hinged lid, which enables a secure assembly and maintenance. Fully equipped with all the needful cable glands.

## Bus 7 wires: Motor protection box



## PowerBox

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The motor protection box is responsible of protecting the system against overload and short circuit, to turn on the motor as well as responsible for the management of limit switches (if applicable).

*The model PowerBox includes an extra safety element: the switch-disconnector, located outside the box. By having an external electrical current cut-off point, it meets the security standards set by the higher demanding levels. It does not allow the access to those parts within the box with electric voltage. It carries out a safe power cut-off, visible and lockable via padlock.*

*Equipped with independent motor protection switch, the PowerBox performs a comprehensive and safe protection of the motor, avoiding any damage over the motor due to overload or overvoltage.*

*With the Bus 7 wires you have access to a wide range of power boxes, so that you could select the one that best fits into your needs. You can therefore choose a power box with local signaling, control or both signaling and control. There is also the possibility to report the status of every box to the intermediate box.*

- Motor protection through motor protection switch: overload, overvoltage...
- Control from intermediate box to 230 VAC or 24 VDC.
- Signaling, control or signaling and control within the power box itself.
- Opening, closing and failure signaling in the intermediate box.
- Management of limit switches.
- Extra safety in maintenance work.
- External power cut-off: visible and lockable.
- Fully adapted to every requirement: double or easy schemes.
- Wide range of intensities, in order to cover all kind of engines.
- Committed with most common electrical safety standards.

# PowerBox

## Technical specifications

### CODE CONFIGURATION

PB/7H/VOL/TP/NM/PT/FC

VOLTAGE OF CONTROL BUS [VOL]	230 VAC	230
	24 VDCC	024
POWER BOX TYPE [TP]	Local control	ML
	Local signaling	SL
	Control + Signaling	MS
SCHEME TYPE [NM]	Easy: on-off	01
	Double: open-close	02
INTENSITY RANGE IN AMPERES [PT]	0.35 - 0.5	01
	0.45 - 0.63	02
	0.7 - 1	03
	0.9 - 1.25	04
	1.4 - 2	05
	2.2 - 3.2	06
LIMIT SWITCH MANAGEMENT [FC]	With management	00
	Without management	01

### E.G.

PB/7H/230/MS/02/01/01



*Power box for Bus 7 wires, working at 230 volts, Local control and signaling, Double schemes, range intensity of 0.35-05 Amperes, with limit switch management.*

### GENERAL SPECIFICATIONS

Power supply: 230/400 VAC 50-60 Hz

Control supply: 24 VDC/220 VAC 50-60 Hz

Level of protection: IP 66 (Protection against powerful water jets)

Operation temperature: -25°C-60°C

Operation Humidity: 0-95%

Maximum altitude: 2.000 m