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B&B B1-6017 PMX (and B1-6022 PMX)

B1-60 PMX



- Mechanical high security lock
- Consumption (24V DC stabilised, +/- 5%):
 - * < 100mA (for signalisation purposes)
- **Manual unlocking and locking by using a cylinder**
- **A second cylinder opening is available in order to be used in case the first cylinder has been tampered with. Both cylinders function in an identical manner.**
- **The slider (connecting the cylinder to the locking components) can only be moved by the use of the cylinder. The slider is therefore sabotage-proof.**
- Symmetrical bolt for both swinging and revolving doors.
- Same lock can be used for left and right swinging doors.
- Integrated signalisation of the bolt position (unlocked / locked).
- Integrated signalisation of the door position (open / closed)
- Integrated signalisation of the use of the cylinder.
- **These bolt, door and key signals are potential free outputs on the lock.**
- Stainless steel locking components and striker plate.
- The locking components are mounted on the solid baseplate, which improves the free movement of the components and the lifespan of the lock.
- **Adjustable striker plate with positioning ball included.**
- Door detection by 3 Hall-sensors.
- Tested to achieve 1.000.000 cycles.
- Tested to a frequency of 600 cycles a day.
- Resistance up to 25.000 N lateral pressure.
- Resistance up to 13.000 N retraction force.
- Available for both 17 and 22mm cylinders
- Security escutcheons available (SE-17 or SE-22) - **optional**
- Cylinder cover plates, which expose 1 cylinder and cover the second, are available with integrated Reed-contact, which detects an unauthorised removal of the plate (CCVL17, CCVR17, CCVL22 and CCVR22) - **optional**
- Backset 60mm
- The lock has the exact same dimensions as the electro-mechanical version B1-PSX and B1-PSX-H. This means they can easily be interchanged at any time.



B&B TECNAX CABLE

Cable 2x1mm² + 10x0,22mm² SHIELDED

BLUE	: GND (0V)
RED	: power +24V DC (+/- 5%) (<0,1A)
BLACK	: key not used (NC)
BLUE/WHITE	: key used (NO)
GREEN/WHITE	: key signal (COMMON)
GREY	: bolt signal (COMMON)
BROWN	: bolt ejected (NO)
PINK	: bolt retracted (NC)
WHITE	: door signal (COMMON)
YELLOW	: door closed (NO)
GREEN	: door open (NC)



B&B SE17

Security escutcheon for 17mm europrofile cylinder.



B&B SE22

Security escutcheon for 22mm Swiss cylinder.



B&B CCVR17 (ook CCVL17, CCVR22 en CCVL22)

These cylinder coverplates can be used with the PSX and PSX-H versions (= with 2 cylinder holes). The coverplate will cover one cylinder hole (below) and expose the other. It can be taken off when the first cylinder hole has been tampered with.

A reed contact can be mounted on the inside of the cylinder coverplate, which will activate an alarm in case the coverplate was taken off without authorisation.

PURPOSE:

To create a mechanical B1 lock with the same dimensions and signalisation as its electrical version.

- 1) Potential free **bolt** contact (J1 pin 1,2,3)
- 2) Potential free **bolt** contact (J1 pin 1,2,3)
- 3) Potential free **door** contact (J1 pin 4,5,6)
- 4) Potential free **key** contact (J2 pin 3,4,5)

CONNECTOR J2

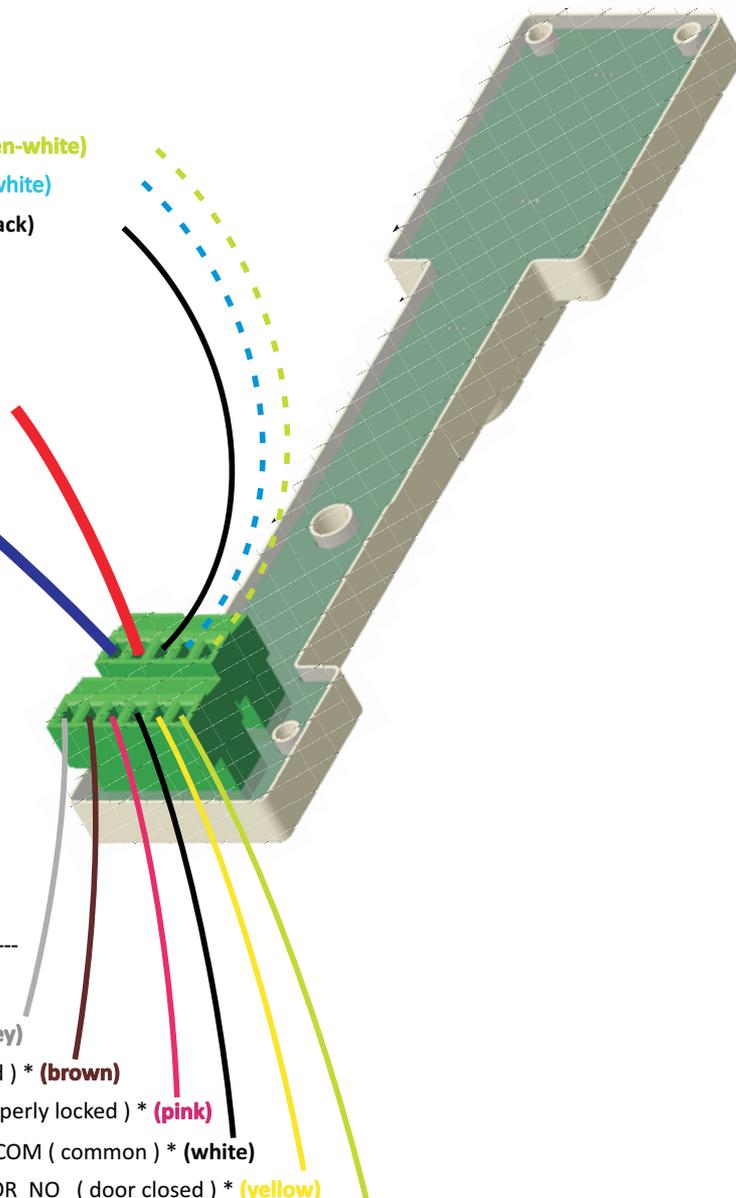
- 5 = KEY CONTACT COM (common) * (green-white)
- 4 = KEY CONTACT NO (key used) * (blue-white)
- 3 = KEY CONTACT NC (key not used) * (black)

CONNECTOR J2

- 1 = GND (blue)
- 2 = +24V/DC (+/- 5%) (< 100mA) (red)

CONNECTOR J1

- 1 = BOLT CONTACT COM (common) * (grey)
- 2 = BOLT CONTACT NO (bolt out & locked) * (brown)
- 3 = BOLT CONTACT NC (bolt in or not properly locked) * (pink)
- 4 = DOOR SENSOR COM (common) * (white)
- 5 = DOOR SENSOR NO (door closed) * (yellow)
- 6 = DOOR SENSOR NC (door open) * (green)



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