

POWERMAG25R

Shearlock

Self aligning shearlock

The PowerMag is a narrow profile shearlock for single action doors or double action (swing-through) doors. Operated by 12 or 24Vdc, the PowerMag provides up to 1000Kg holding force by means of the unique steel retaining blocks.

It is essential to ensure that the magnet body and armature body align correctly, and the gap between to two bodies is no more than 5mm (in the unlocked position).

Unlike some shearlocks, the PowerMag operates in the same way as a traditional magnetic lock - meaning there is no in-rush current. The armature plate is attracted to the magnet body as soon as the two begin to line up, but final locking cannot be made until the two are completely in line, then the armature will "snap" into position and lock.



** Note: It is critical to observe the alignment of the magnet and armature - the locking block on the armature must face the locking block on the magnet in a parallel position to ensure problem-free locking. The 2 adjustable screws on the back of the armature, allow for final site adjustment to ensure clean alignment and locking, without causing scoring to the door leaf or frame.

Once the correct adjustment is made, we recommend applying threadlock to the adjustable screws.



Dimensions:

Magnet (L)243 x (l) 25 x (h) 22
 Armature Plate (L)243 x (l) 25 x (h) 35

Technical Information:

480mA at 12Vdc
 240mA at 24Vdc

-20 to +50C

Ensure the fixing plates are flush with the frame, the main lock body should sit slightly proud of the frame.



Connections:

12Vdc Both jumpers on the PCB should be in place, covering 4 x pins
 24Vdc One jumper on the PCB should be in place, covering the two centre pins

Option:

For monitoring, 3 cables exit the lock body together. These represent:
 Blue: Common
 Orange: N.O.
 Yellow: N.C.

Please check the operation of the door closers and the suitability of the door, to ensure there are no "side-load" issues when the POWERMAG releases. There should be no pressure on the door during the release stage, as this can cause the armature to be "held" during release.

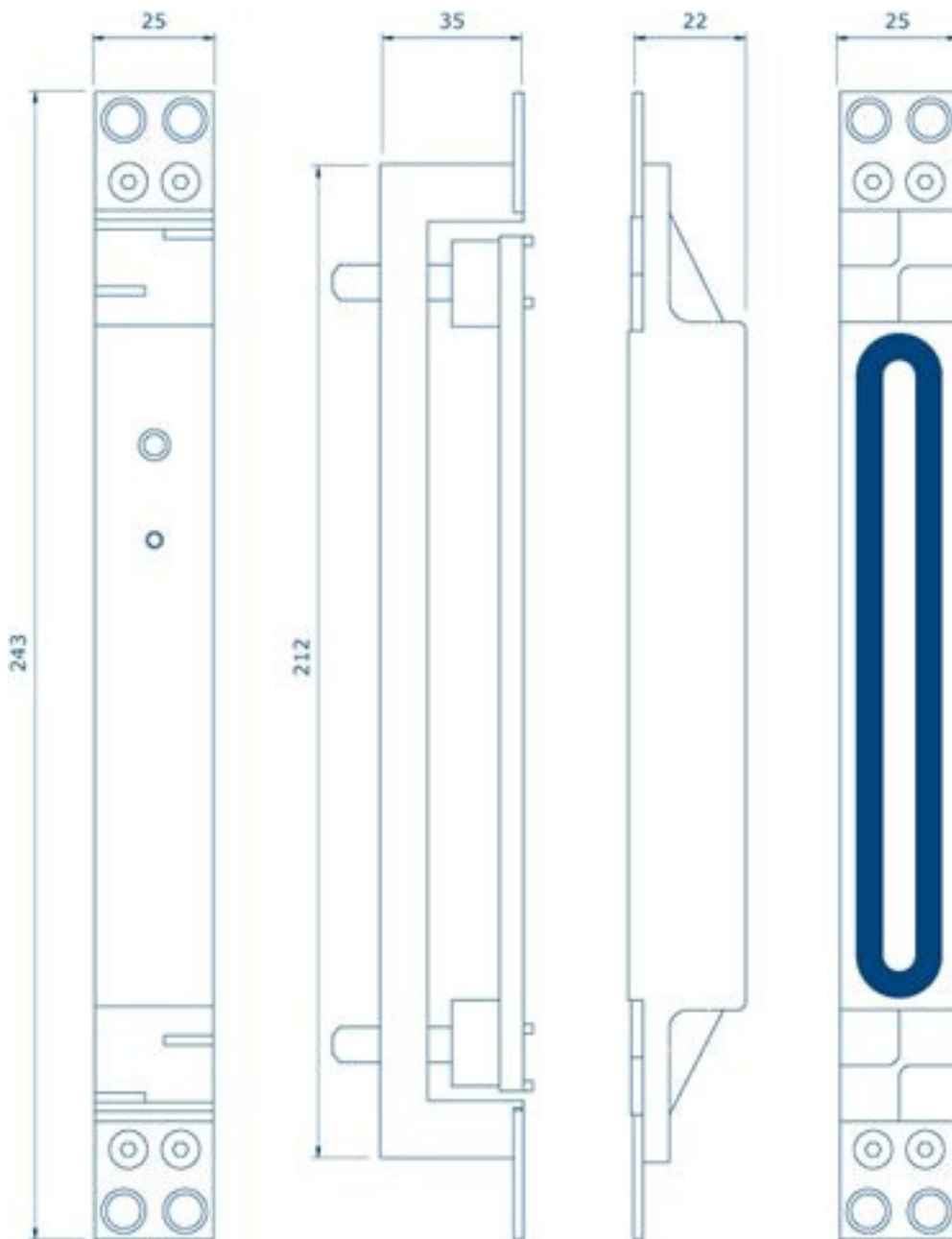
If further information is required, or for assistance, please contact CDVI technical department

POWERMAG25R

Shearlock

POWERMAG25R

Dimensions:



If further information is required, or for assistance, please contact CDVI technical department