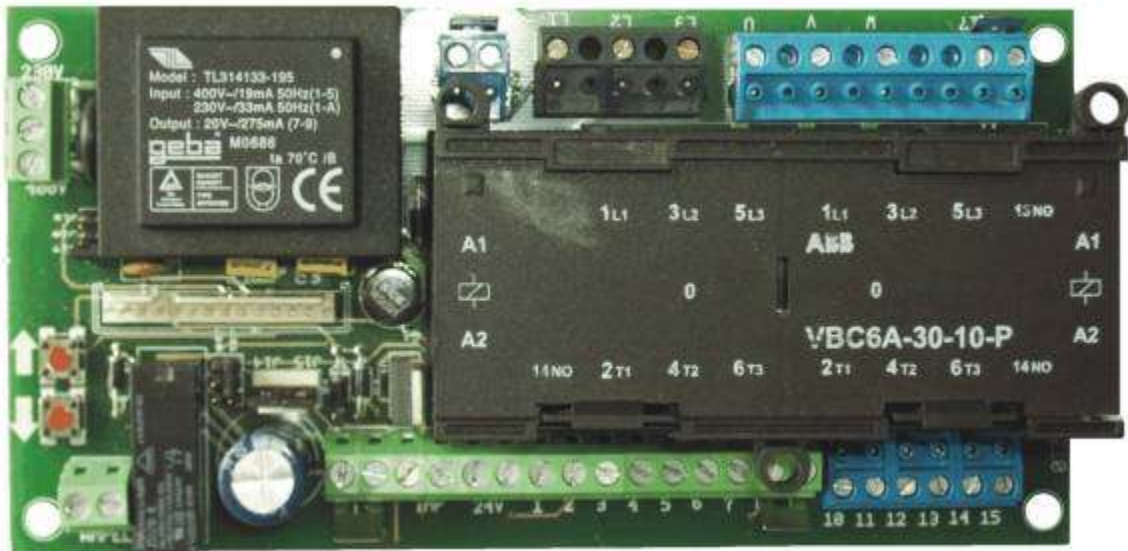




Door control MiniMax 3 S

EN conform: EN12453
(Safety in use of power operated doors)



The door control DC MiniMax 3 S is designed for hold to run control of power operated doors. The basic version is designed for hold to run operation only, but it can be extended individually by an optional module.

Safety Directions

- In case of using DC MiniMax 3 S with a permanent mains connection, an all-pole main switch with an appropriate back-up fuse must be provided.
- With three phase motor connection an external fuse in the main supply should be max. 10A delayed.
- Before operation, check whether the permissible mains voltage range of the device corresponds to the local mains voltage.
- With three phase motor connection it must have right phase rotation.

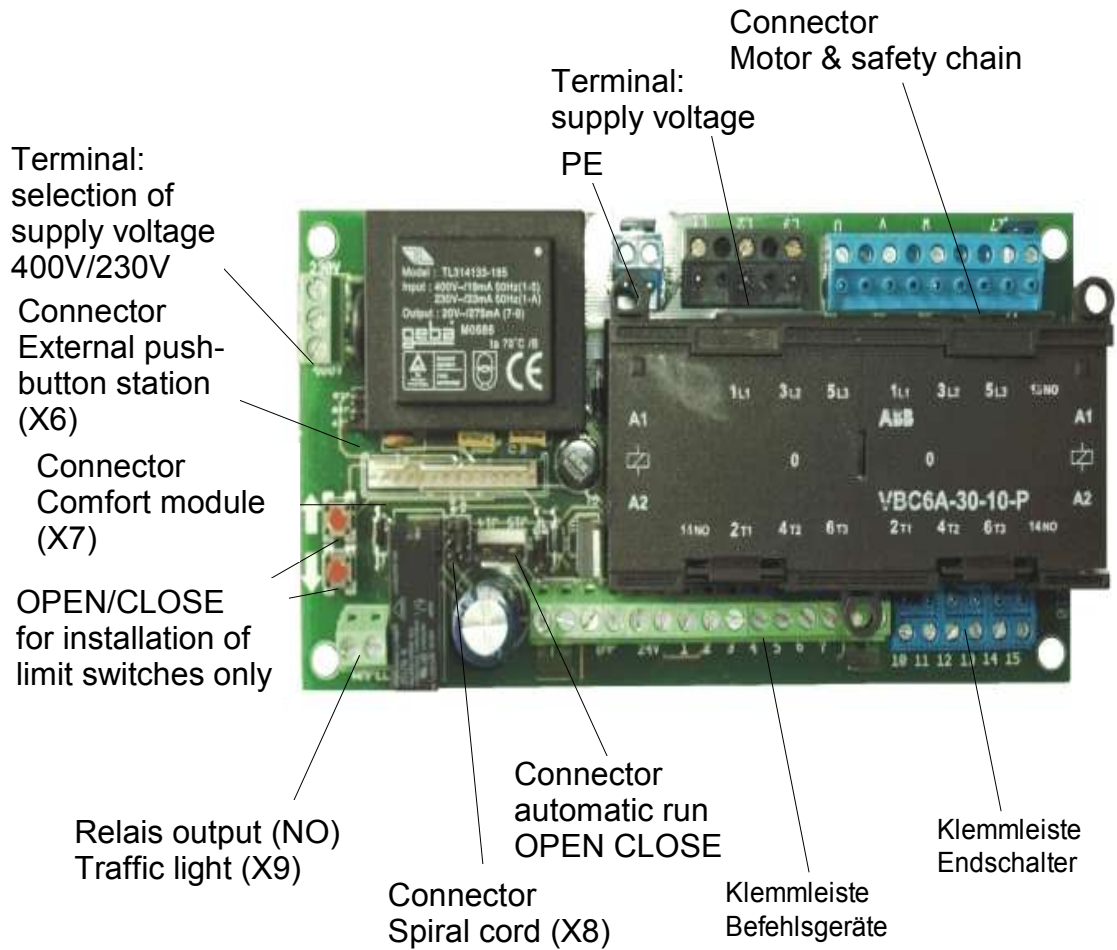


During installation, initial operation, maintenance and testing of the DC MiniMax 3 S it is necessary to observe the safety and accident prevention regulations valid for the specific application. Only trained electrical craftsmen should work on electrical equipment.

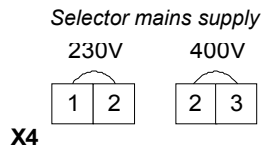
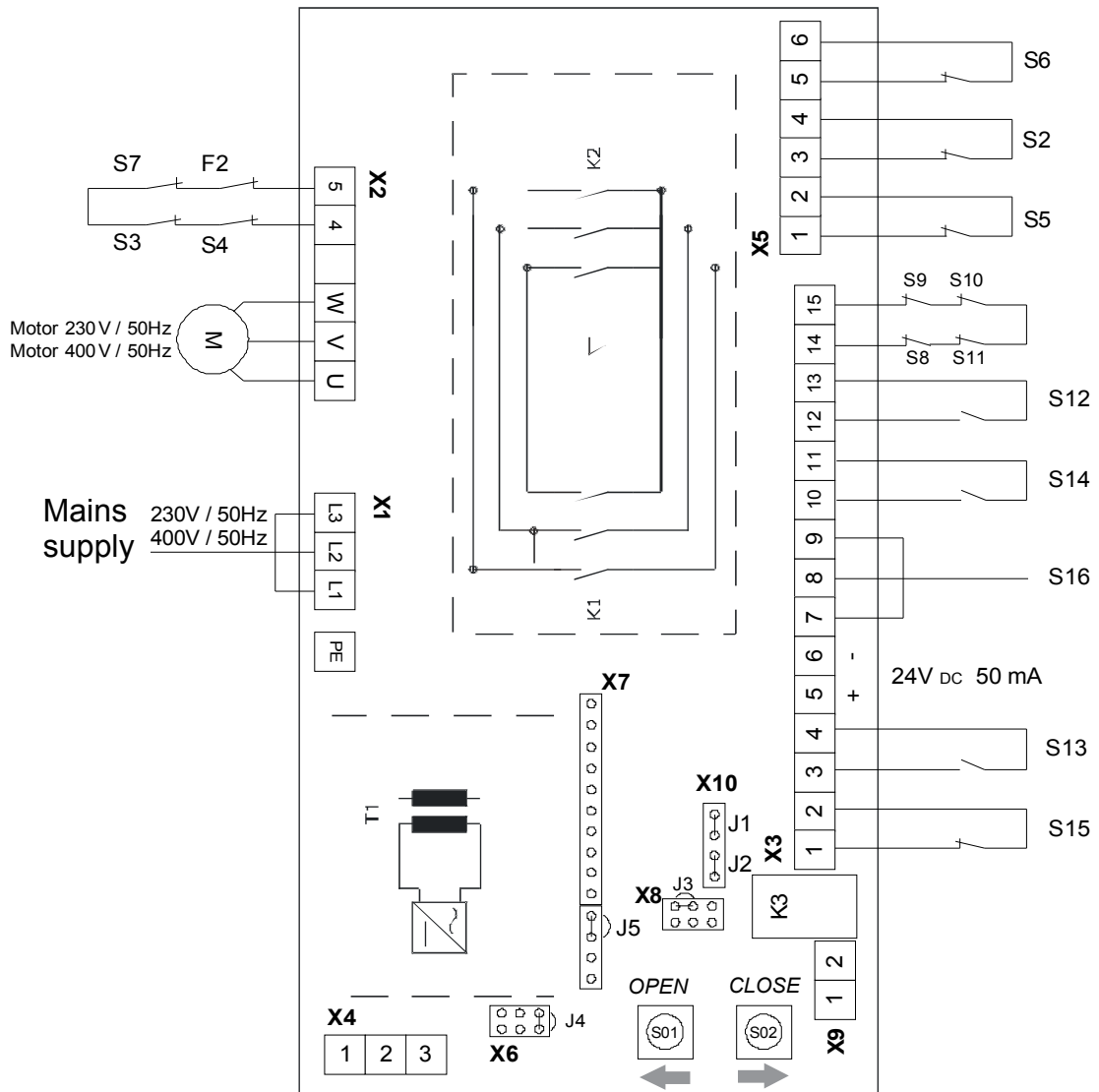
Technical Data

| | |
|------------------------------|---------------------------|
| Model | DC MiniMax 3 S |
| Supply voltage | 230 VAC or 400 VAC |
| Frequency | 50 Hz |
| Protection class | IP 54 |
| A max. | 10 A |
| Operation temperature | - 10 C° to + 55 C° |

Main board DC MiniMax 3S



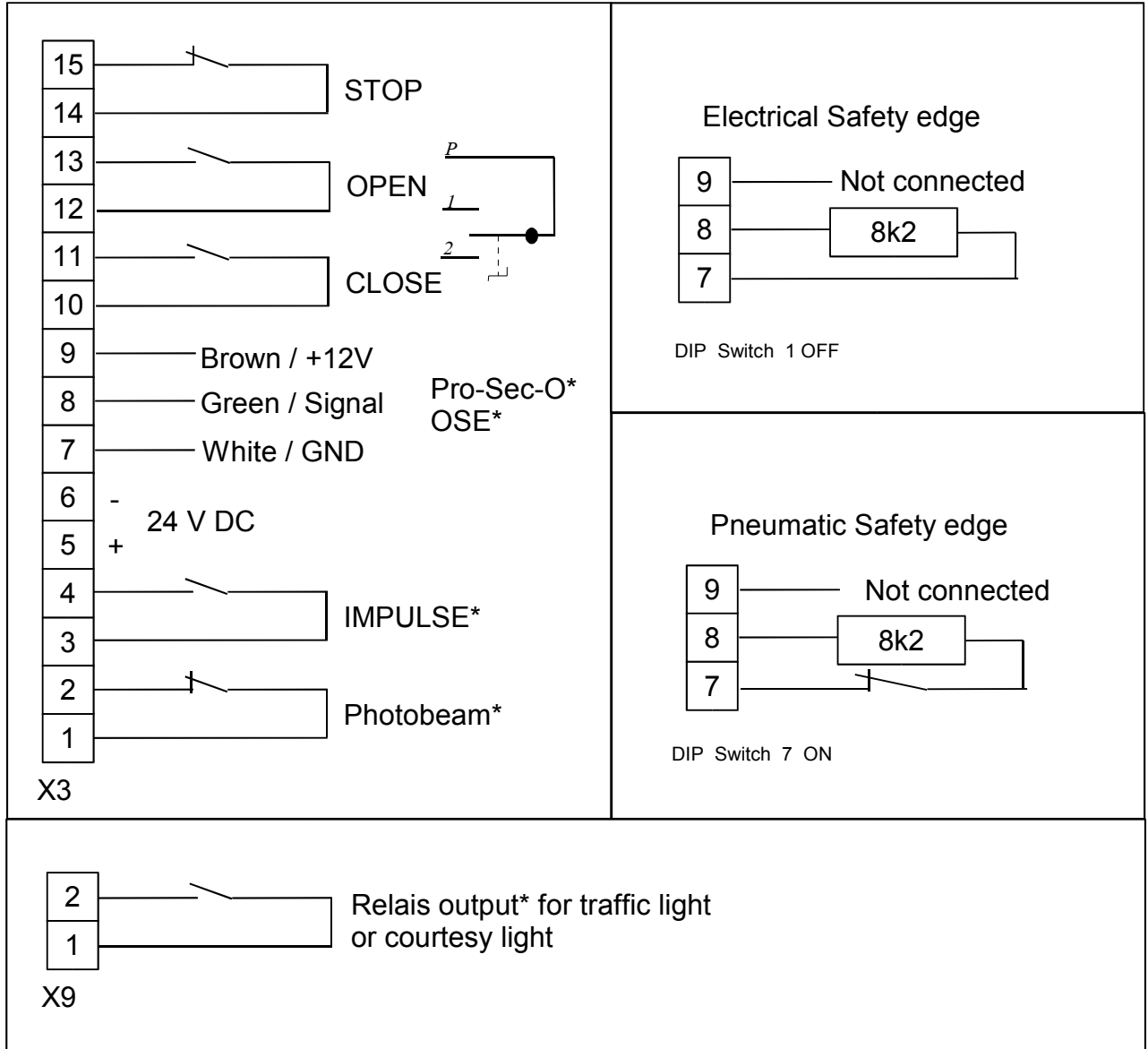
Main Board DC MiniMax 3S



| | |
|-----|--|
| F2 | Thermal protection |
| K1 | Contacteur Close |
| K2 | Contacteur Open |
| K3 | Traffic Light |
| M1 | Motor connection |
| S01 | Installation switch Open |
| S02 | Installation switch Close |
| S1 | Aux. limit switch Open |
| S2 | Limit switch Open (NC) |
| S3 | Safety limit switch Open (NC) |
| S4 | Safety limit switch (NC) |
| S5 | Limit switch Close (NC) |
| S6 | Aux. limit switch Close |
| S7 | Safety switch hand crank (NC) |
| S8 | Safety switch slack wire (NC) |
| S9 | Emergency stop (NC) |
| S10 | Safety switch passor (NC) |
| S11 | Push button STOP (NC) |
| S12 | Push button Open (NO) |
| S13 | Push button IMPULSE (NC) Open – STOP – Close * |
| S14 | Push button Close (NO) |
| S15 | Photo beam (NC) * |
| S16 | Safety edge * |
| T1 | Transformer |
| X1 | Mains supply |
| X2 | Motor connection |
| X3 | Connection |
| X4 | Selector supply voltage |
| X5 | Connector limit switches |
| X6 | Connector push button station |
| X7 | Connector for plug in module |
| X9 | Selector hold to run / self-hold |

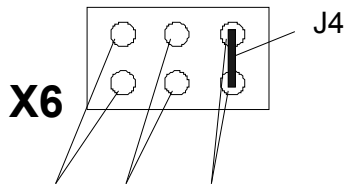
* only active with comfort module

Wiring Diagrams



*** only possible, if comfort module is used**

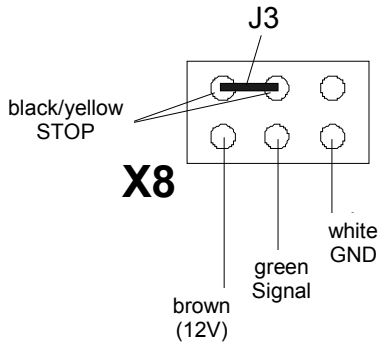
Jumper settings



X6

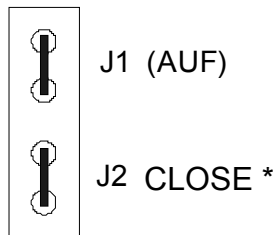
CLOSE OPEN STOP

Connector external push button station
if not used, J4 has to be bricked



X8

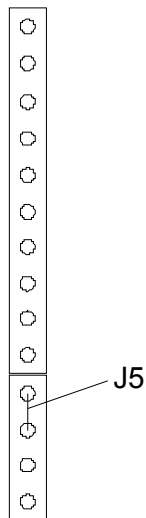
Connector spiral cord
if not used, J3 has to be bricked



X10

Self-hold: J1 / J2 closed
Hold to run: J1 / J2 open

Self-hold is only allowed, if all safety devices necessary for the application are used !



X7

Connector comfort module

If no module is used, J5 has to be bricked.



Bricked



Not bricked

Comfort module

