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

<table>
<thead>
<tr>
<th>Model</th>
<th>DC MiniMax 3 S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>230 VAC or 400 VAC</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 Hz</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 54</td>
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<tr>
<td>A max.</td>
<td>10 A</td>
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<tr>
<td>Operation temperature</td>
<td>-10°C to +55°C</td>
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</tbody>
</table>
Terminal: selection of supply voltage 400V/230V
Connector External push-button station (X6)
Connector Comfort module (X7)
OPEN/CLOSE for installation of limit switches only
Relais output (NO) Traffic light (X9)
Connector Spiral cord (X8)
Connector Motor & safety chain
Connector automatic run OPEN CLOSE
Klemmleiste Befehlsgeräte
Klemmleiste Endschalter
F2  Thermal protection
K1  Contactor Close
K2  Contactor 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
*only possible, if comfort module is used*
**Jumper settings**

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

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

**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!

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