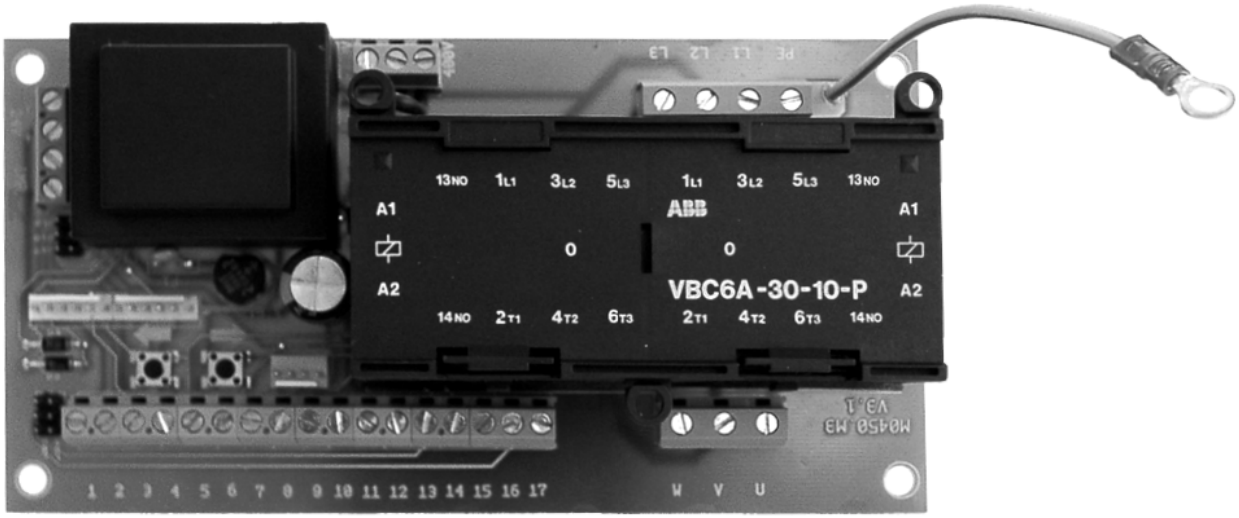
Door control system AS 210

Tested according to:
EN60335-1 / EN60204-1
connected with EN12453
(safety use of power operated doors)



OPERATING INSTRUCTIONS – AS 210

The control AS 210 is conceived to operate doors.
In the basic model, it is made for the dead man operation.
By means of plug-in modules, it can be extended individually.

SAFETY NOTICES

- Please note valid directions and regulations of start-up of power operated doors in your country.
- Installation and maintenance works at control AS 210 should only be done by skilled Electricians.
- Note protecting prescriptions!
- The installation has to be switched on free of tension during electrical works
- Dead-man operation is only allowed if the installation can be seen from the control devices.

If you do not respect the safety notices, you are responsible of resulting personal and material damages.

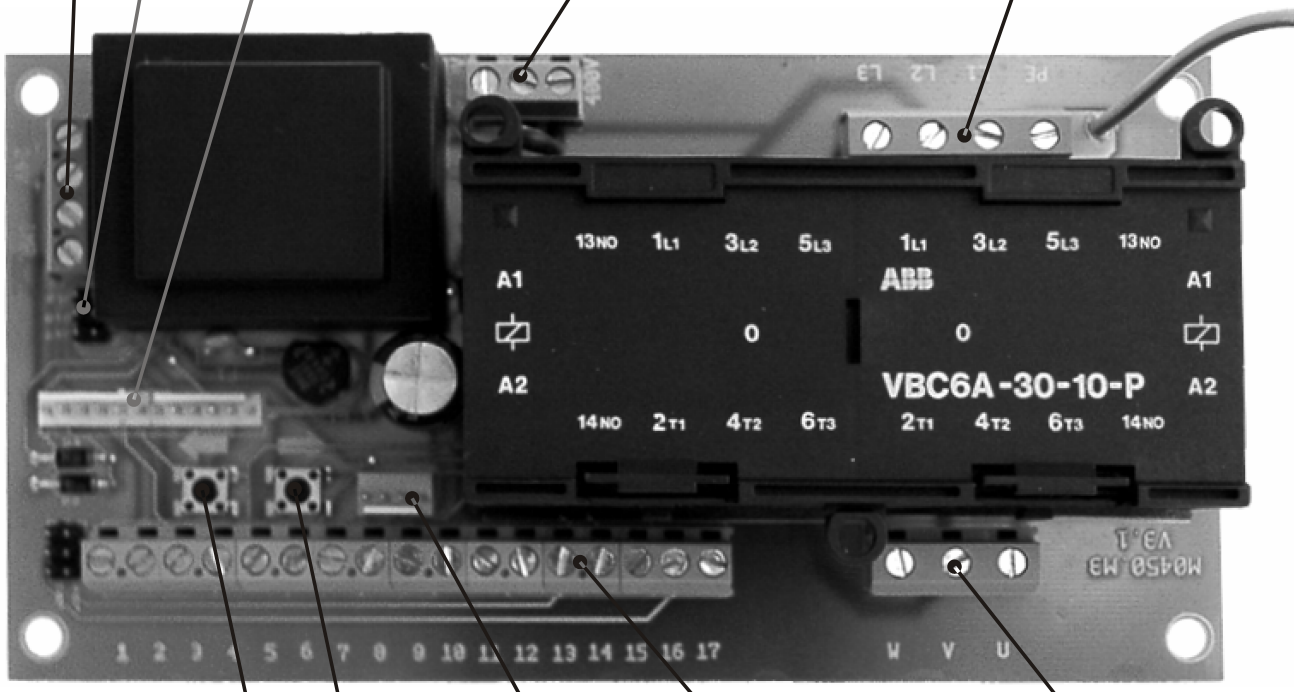
CURRENT SUPPLY

- In case of fixed connection, an all-polo main switch has to be foreseen.
- In case of rotary current, only use triple block safety cut-out (10 A).
- Please note that supply voltage corresponds with the data on type plate.
- Please note that a clockwise rotatory field should be at the power outlet
- Command and control should only be assembled inside buildings.

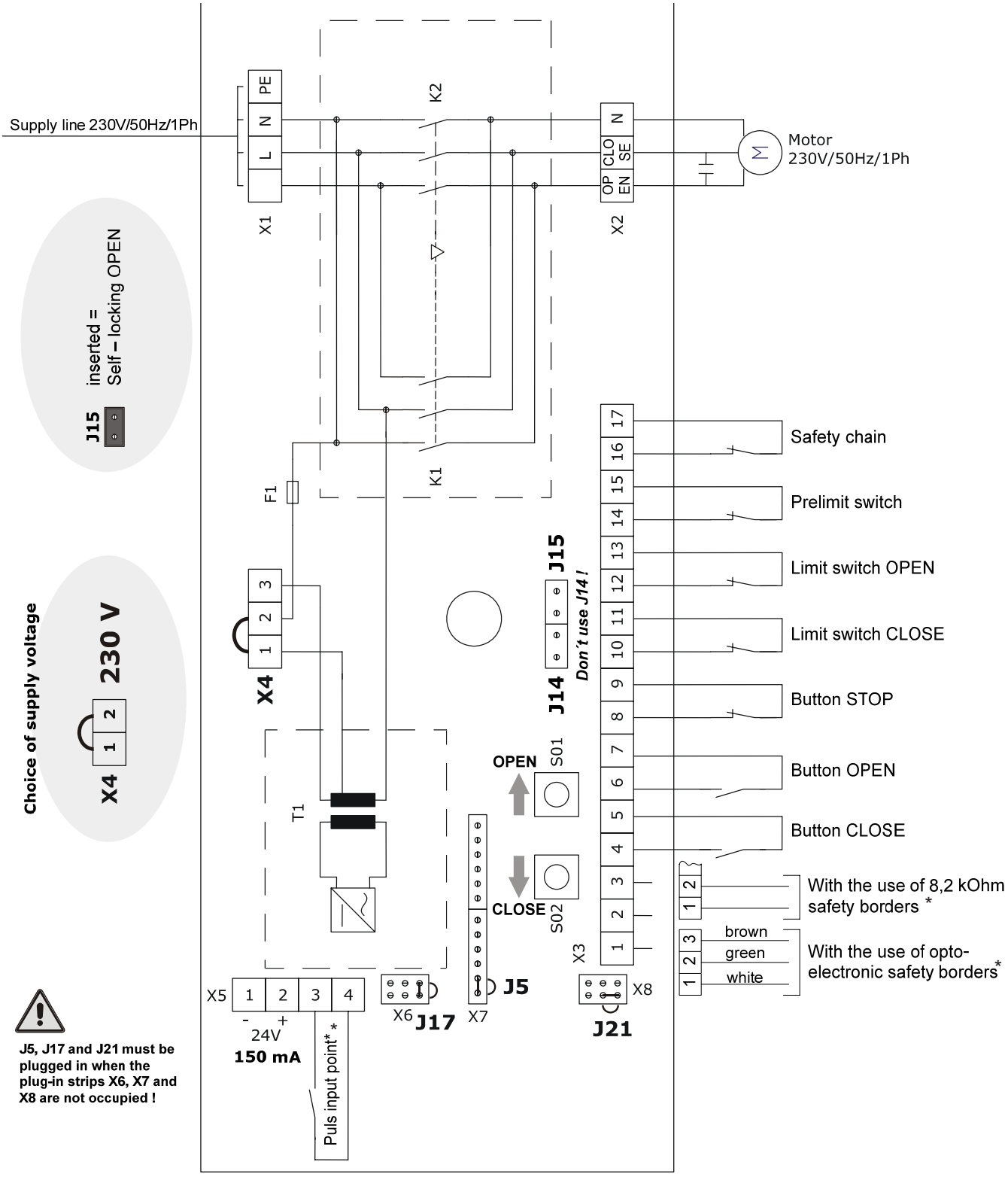
TECHNICAL DATA

Model	AS 210
Tension	230V or 400V
Frequency	50 Hz
Type of protection	IP 54
A max.	10 A
Operating temperature	-10°C to +55°C

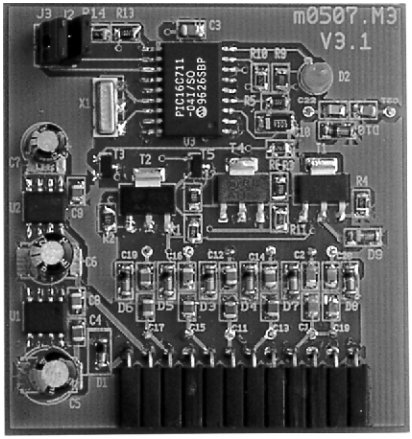
MOTHERBOARD AS 210



CIRCUIT DIAGRAM AS 210 230V FOR OPTOELECTRONIC RUPTURING STRIP AND FOR 8,2 kOhm EVALUATION OF RESISTANCE



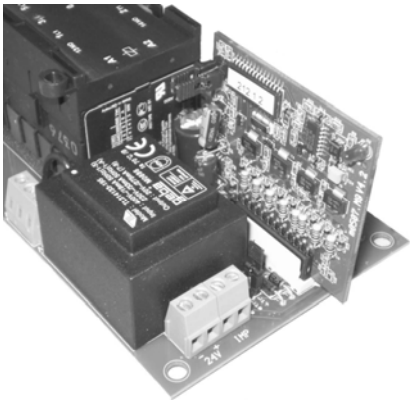
ZM-SKS

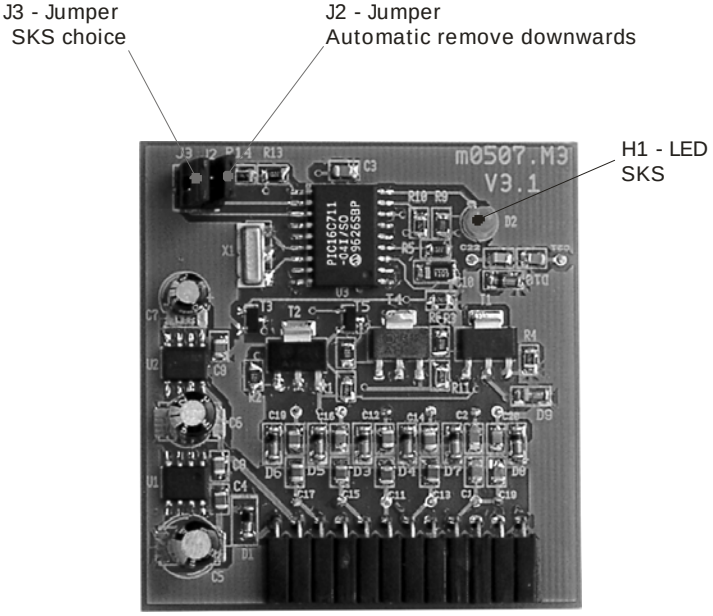


Module for the connection of a SKS rail

Assembling Instructions in Board Plate AS 210:

➲ Insert board plate ZM-SKS in plug-in rail X7. Equipped side must show to the direction of the transformer.





Jumper J2 – Automatic remove downwards

- ***plugged in =*** Automatic remove downwards
- ***open =*** no automatic remove downwards

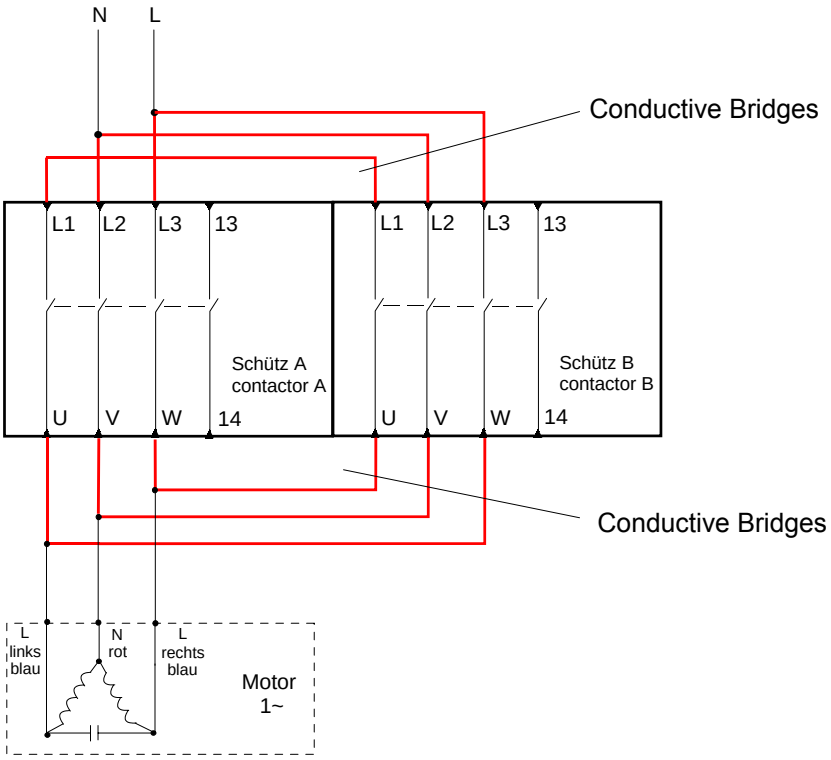
Jumper J3 – SKS choice

- ***plugged in =*** optoelectronic rupturing strip
- ***open =*** 8,2 kOhm

LED H1 – SKS

- ***Permanent illumination =*** SKS OK
- ***Flashing =*** SKS Disturbance

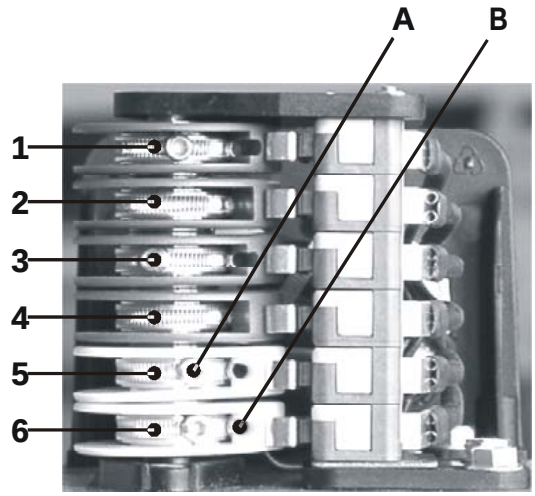
Circuit Diagram/Single-Phase-Drives ~ to Door Control TST



ATTENTION

In accordance with EN12453, chapter 5.2.9. this ciruit (logic board) has to be provided with a grid-disconnection device which can be secured against unintentional engaging

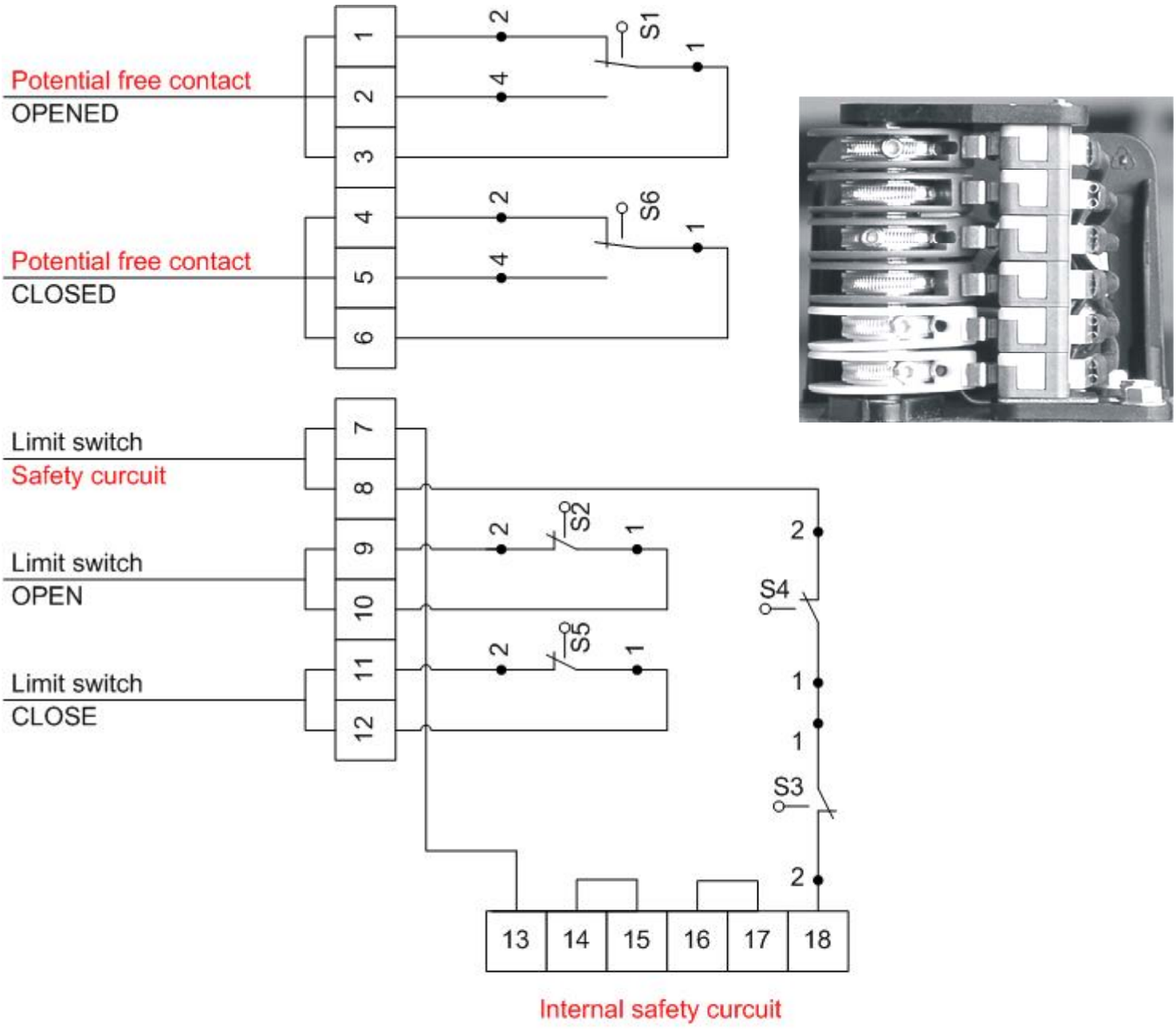
Operator equipped with AS2-eco come with the limit switch LSS-4.
(Limits for OPEN & CLOSE and SAFETY-Limit-Switch Open and Closed,
without additional limits)



1. Additional Limit Switch OPEN	**green**
2. Limit Switch OPEN	**green**
3. Safety Limit Switch OPEN	**red**
4. Safety Limit Switch CLOSED	**red**
5. Limit Switch CLOSED	**white**
6. Additional Limit Switch CLOSED	**white**

1. Drive the door to wished CLOSED position.
2. Set the control cam **5** (white) the way that the limit switch is operated.
3. Tighten the fixing screw **A**.
4. Drive the door to wished OPEN position.
5. Set the control cam **2** (green) the way that the limit switch is operated.
6. Tighten the fixing screw **A**.
7. Fine adjustment is done with the screw **B**.
8. The safety limit switches **3** and **4** (red) must be set the way that they react directly after passing the control limit switch.
9. After the operation test, control the fixing screw.
10. The additional limit switches **1** and **6** have change-over contact free of potential.

SCHEMATIC DIAGRAM



S1 = Optional Limit switch OPEN (Standard only with limit switch LSS-6)
S2 = Limit Switch OPEN
S3 = Safety limit OPEN
S4 = Safety limit CLOSE
S5 = Limit switch CLOSE
S6 = Optional limit switch CLOSE (Standard only with limit switch LSS-6)