

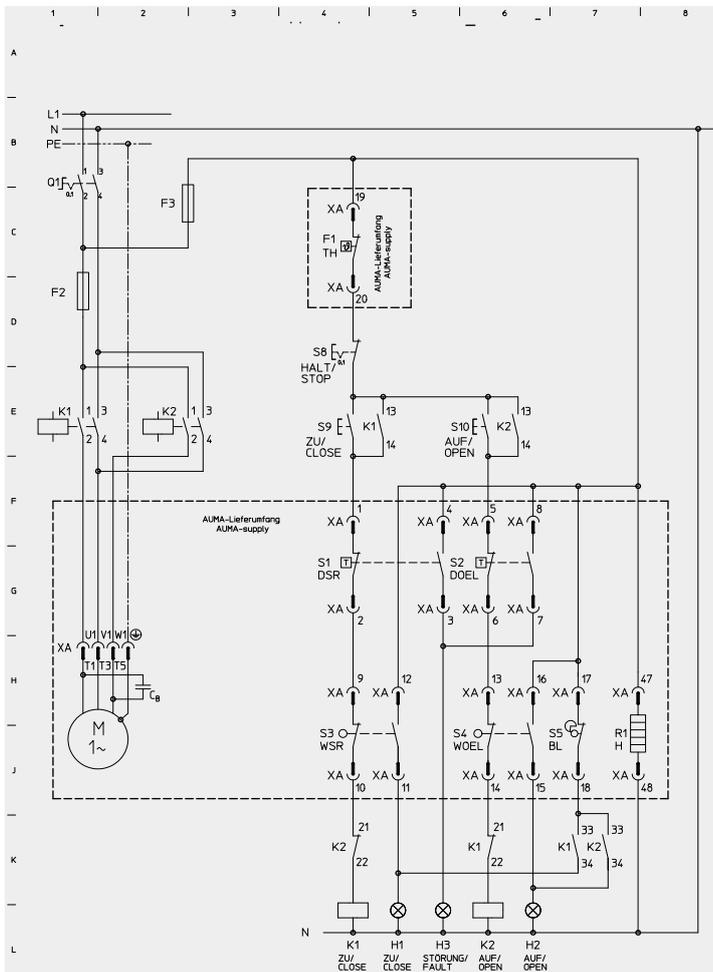
Proposed wiring diagram for SA .2 and SQ .2 with 1-phase AC motor



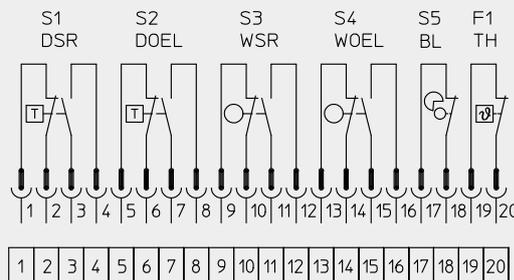
CLOSED Limit seating



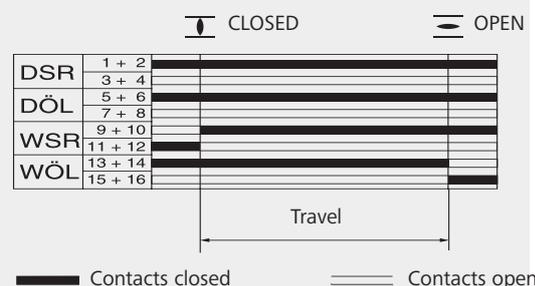
OPEN Limit seating



TPA01R1AA-101-000 (basic version)



Limit switch tripping



DSR and DOEL act as overload protection for the whole travel; they are only tripped when exceeding the set torque.

Wiring diagram for standard version, actuator closes valve clockwise. The wiring diagram shows the actuator at standstill in intermediate position.

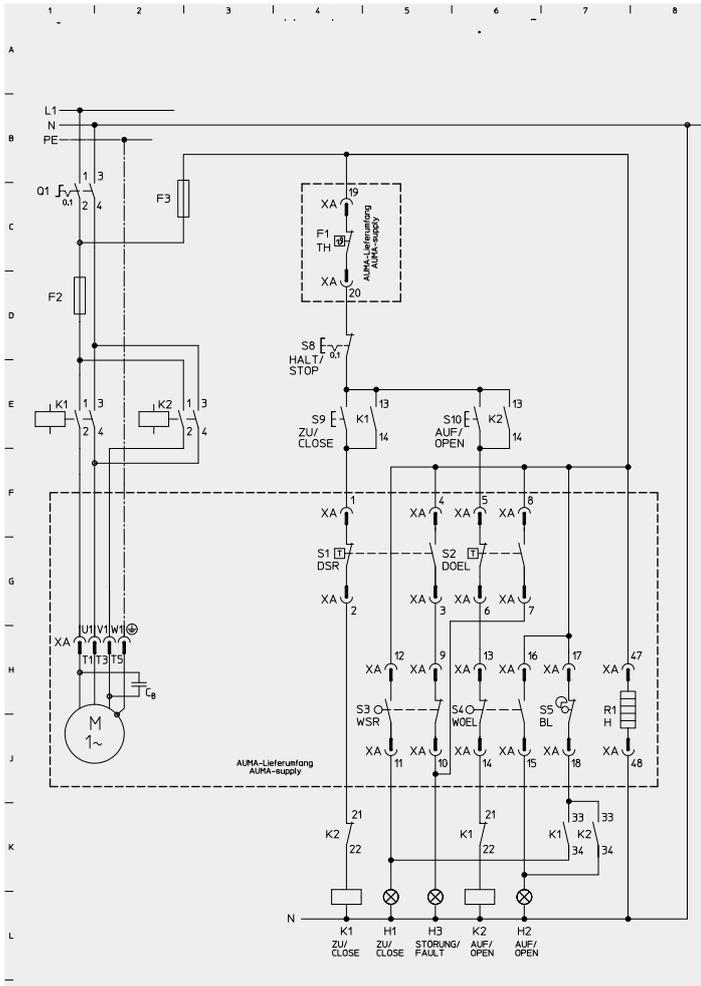
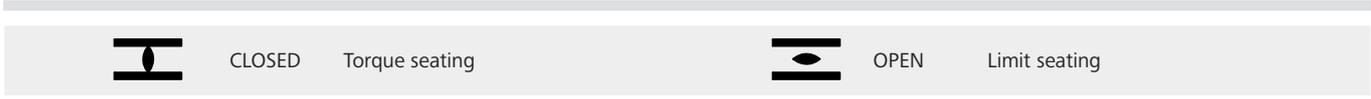
Limit and torque switches can be provided as single, tandem, or triple switches. Only the same potential can be switched on the two circuits (NC/NO contact) of each single switch. If different potentials are to be switched simultaneously, tandem switches or triple switches are required. When using tandem/triple switches:

- For signalling use the leading contacts TSC1, TSO1, LSC1, LSO1.
- For switching off use the lagging contacts TSC, TSO, LSC, LSO.

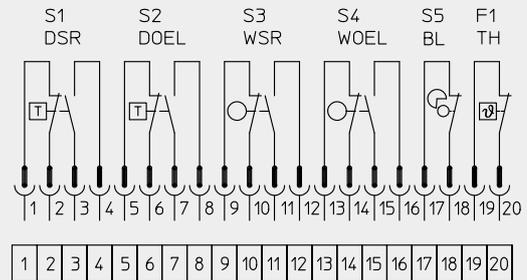
M		Motor (1-phase AC)
S1	TSC	Torque switch, closing, clockwise rotation
S2	TSO (DOEL)	Torque switch, opening, counterclockwise rotation
S3	LSC (WSR)	Limit switch, closing, clockwise rotation
S4	LSO (WOEL)	Limit switch, opening, counterclockwise rotation
S5	BL	Blinker transmitter
F1	TH	Thermoswitch
Q1		Main switch
S8		Push button STOP
S9		Push button CLOSE
S10		Push button OPEN
K1, K2		Reversing contactors
F2 – F5		Fuses
H1		Indication light End position CLOSED
H2		Indication light End position OPEN
H3		Indication light FAULT
R1	H	Heater

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

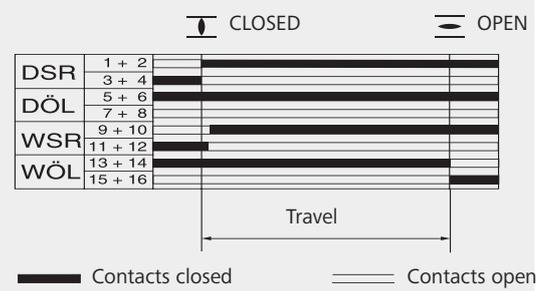
Proposed wiring diagram for SA .2 and SQ .2 with 1-phase AC motor



TPA01R1AA-101-000 (basic version)



Limit switch tripping



TSC (DSR) and TSO (DOEL) act as overload protection for the whole travel. TSC (DSR) interrupts the control circuit when reaching the set torque, the actuator is tripped. Set LSC (WSR) as to ensure that it is tripped shortly before reaching the end position CLOSED.

Wiring diagram for standard version, actuator closes valve clockwise. The wiring diagram shows the actuator at standstill in intermediate position.

Limit and torque switches can be provided as single, tandem, or triple switches. Only the same potential can be switched on the two circuits (NC/NO contact) of each single switch. If different potentials are to be switched simultaneously, tandem switches or triple switches are required. When using tandem/triple switches:

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