

Proposed wiring diagram for SA.2 with 3-phase AC motor

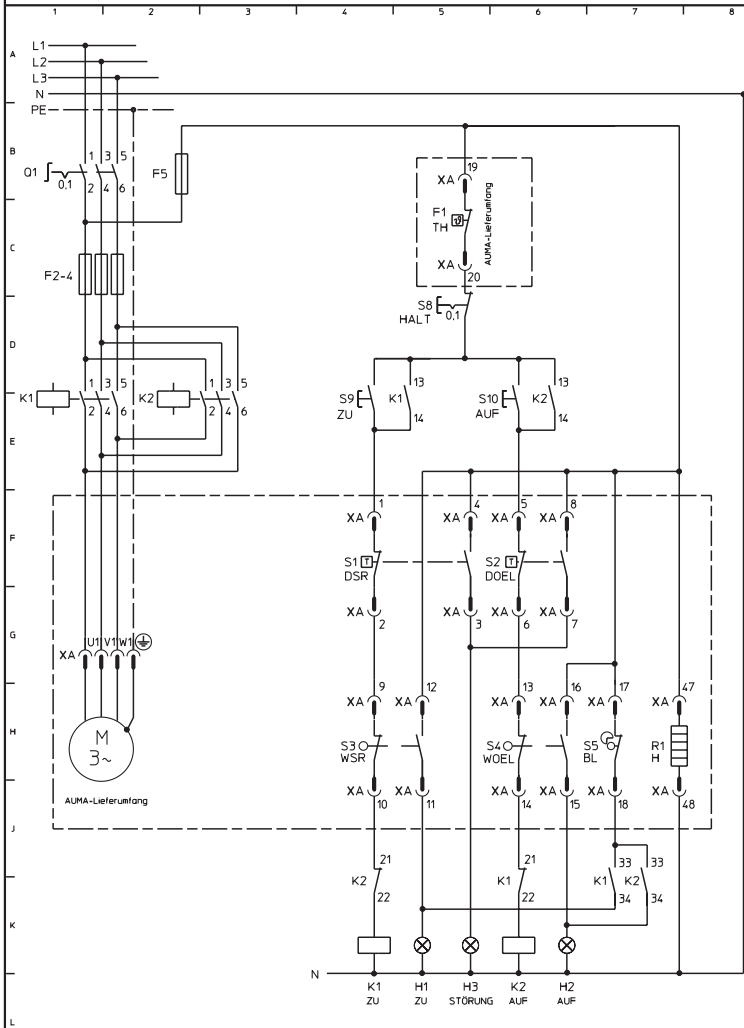
ASV 111.1111
TPA 00R1AA-101-000



CLOSED Limit seating

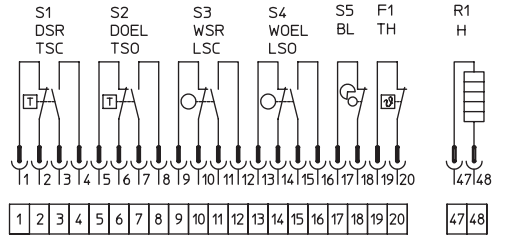


OPEN Limit seating

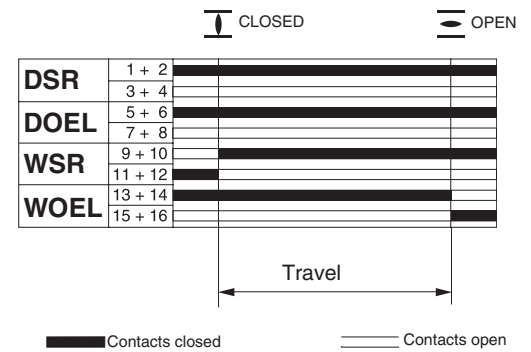


Basic equipment

TPA 00R1AA-101-000



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, multi-turn actuator closes valve clockwise. The wiring diagram shows the non-rotating multi-turn actuator 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/CO 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, LCS1, LSO1
- For switching off use the lagging contacts TSC, TSO, LSC, LSO

M		Motor (3-phase AC)
S 1	DSR	Torque switch, closing, clockwise
S 2	DOEL	Torque switch, opening, counterclockwise
S 3	WSR	Limit switch, closing, clockwise
S 4	WOEL	Limit switch, opening, counterclockwise
S 5	BL	Blinker transmitter
F 1	TH	Thermoswitch
Q 1		Main switch
S 8		Push button STOP
S 9		Push button CLOSE
S 10		Push button OPEN
K 1, K 2		Reversing contactors
F 2 - F 5		Fuses
H 1		Indication light end position CLOSED
H 2		Indication light end position OPEN
H 3		Indication light FAULT
R 1	H	Heater

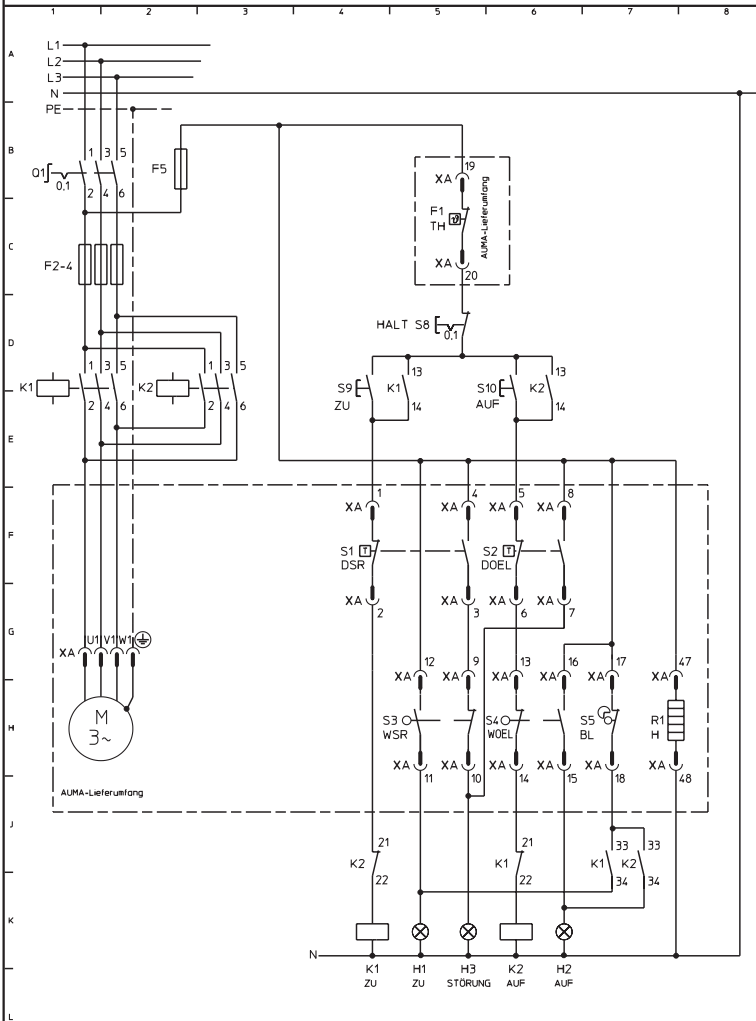
We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.



CLOSED Torque seating

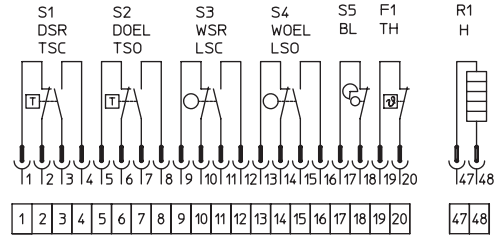


OPEN Limit seating

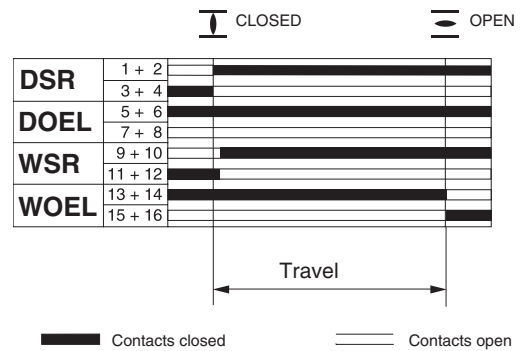


Basic equipment

TPA 00R1AA-101-000



Limit switch tripping



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

Wiring diagram for standard version, multi-turn actuator closes valve clockwise. The wiring diagram shows the non-rotating multi-turn actuator 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/CO 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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