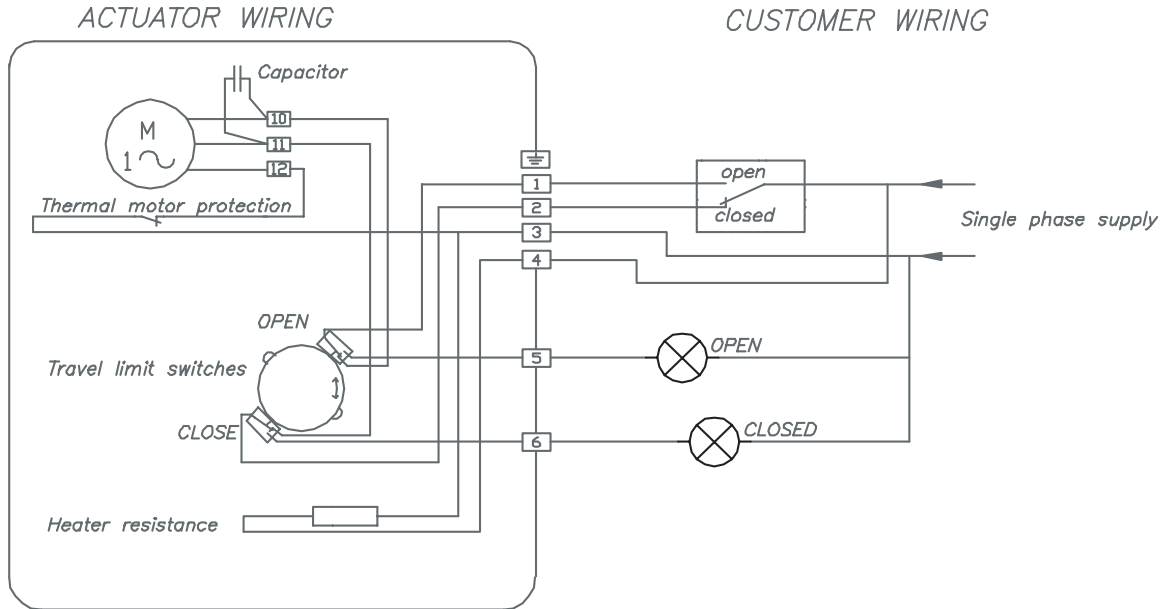


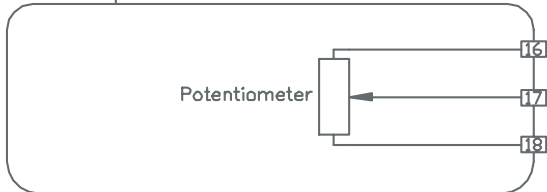


Wiring diagrams SD Range

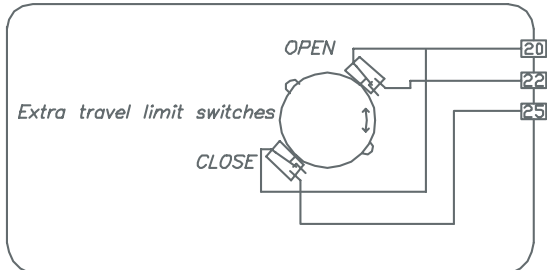
EXAMPLE OF WIRING DIAGRAM PREWIRED VERSIONS SINGLE PHASE SUPPLY



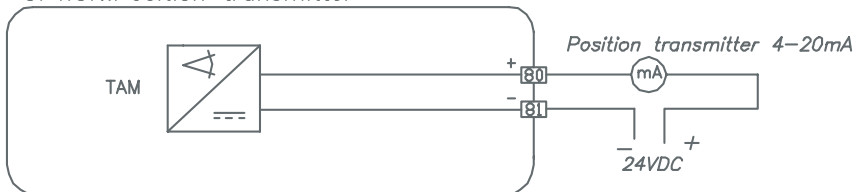
OPTION:potentiometer



OPTION:Extra travel limit switch



OPTION:Position transmitter

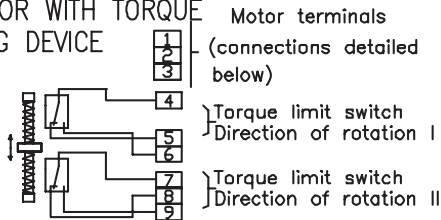


NOTES :

1. Customer's wiring is given as an example only and is not part of the actuator supply. Check power supply specifications prior to installing the device.
2. Warning : Open and Close commands must not be activated simultaneously in order to properly isolate the unused motor winding.

ALL DATA IN THIS BROCHURE ARE GIVEN FOR INFORMATION ONLY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

ACTUATOR WITH TORQUE LIMITING DEVICE



FUNCTION OF SWITCHES

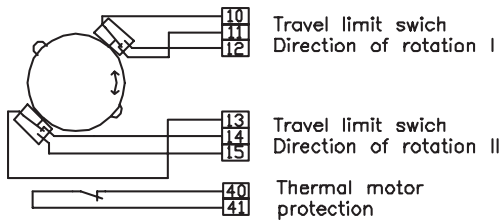
- Direction of rotation
- I) anticlockwise (normally opening)
 - II) Clockwise (normally closing)

Motor terminals (connections detailed below)

- 4 } Torque limit switch
- 5 } Direction of rotation I
- 6 }
- 7 } Torque limit switch
- 8 } Direction of rotation II
- 9 }

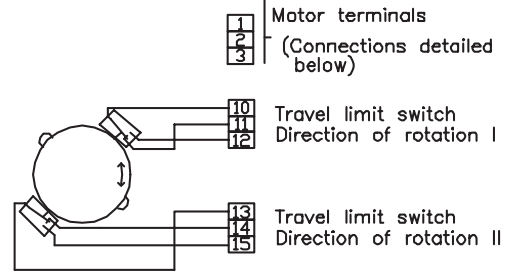
*Torque switches give short duration contact except on ST & SRA6.2 (maintained contact)

*Travel limit switches give maintained contact



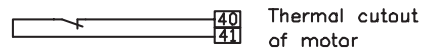
Direction of rotation seen on opposite side of fixing flange of actuator

ACTUATOR WITHOUT TORQUE LIMITING DEVICE



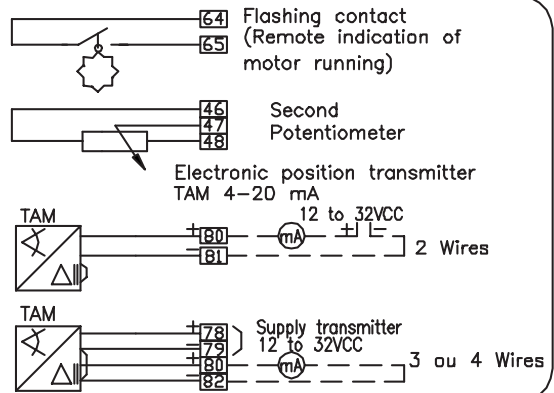
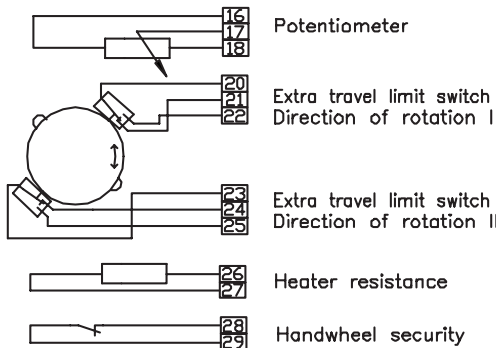
FUNCTION OF SWITCHES

- Direction of rotation
- I) anticlockwise (normally opening)
 - II) Clockwise (Normally closing)

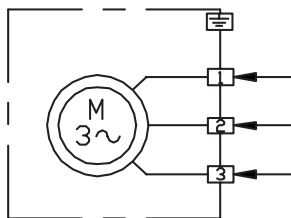


Direction of rotation seen on opposite side of fixing flange of actuator

OPTIONAL ACCESSORIES

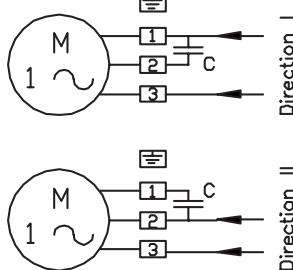


MOTOR THREE PHASE

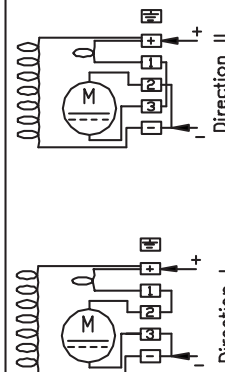


NOTA: 3Ph phase direct=DirectionII

SINGLE PHASE

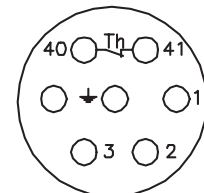


D.C.



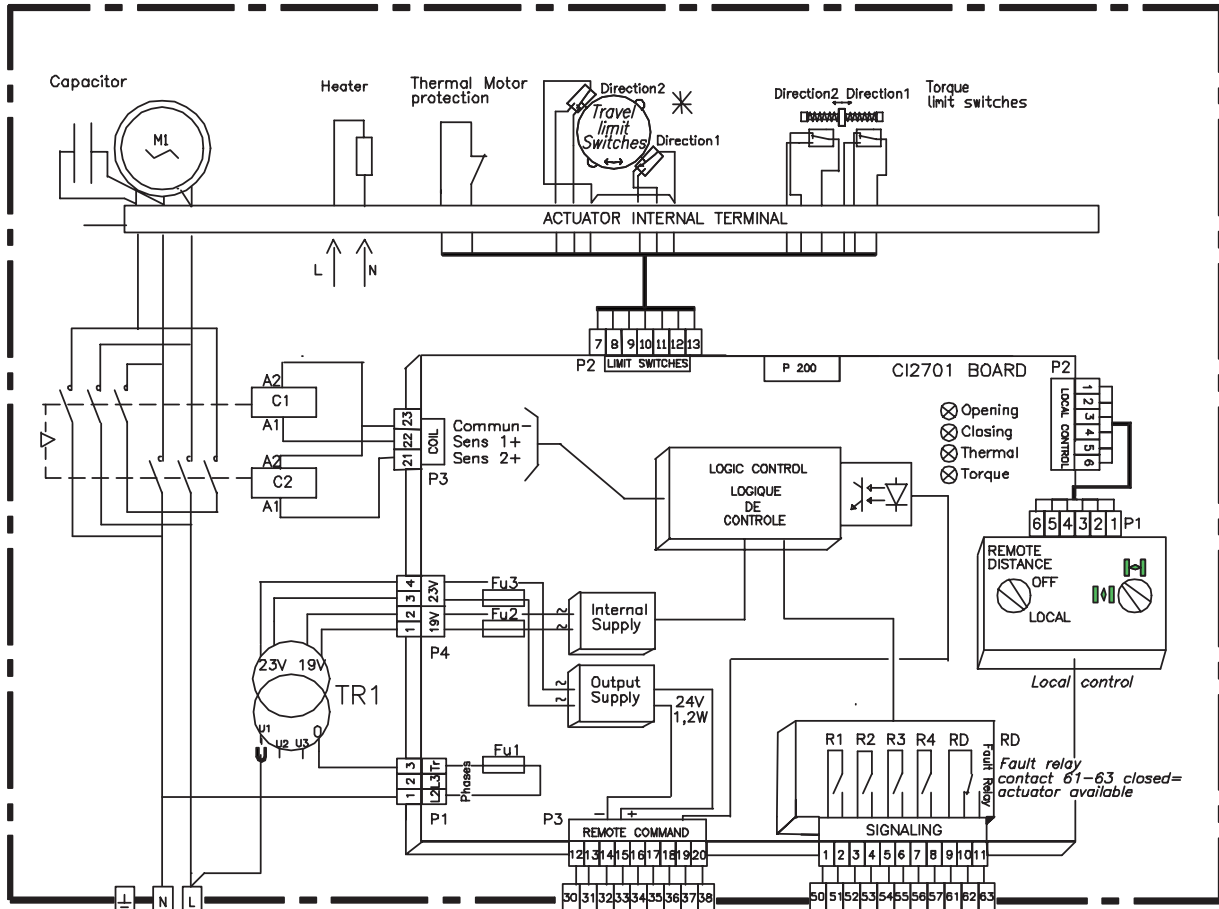
EXPLOSIONPROOF EEXed

Th: Thermal cutout



Independant terminal box of motor

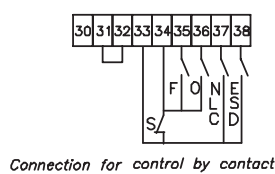
Note: The capacitor is supplied separately in case of single phase



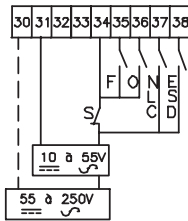
SINGLE PHASE SUPPLY

*

configuration	7A	7B
Direction1	Opening	Closing
Direction2	Closing	Opening



Connection for control by contact

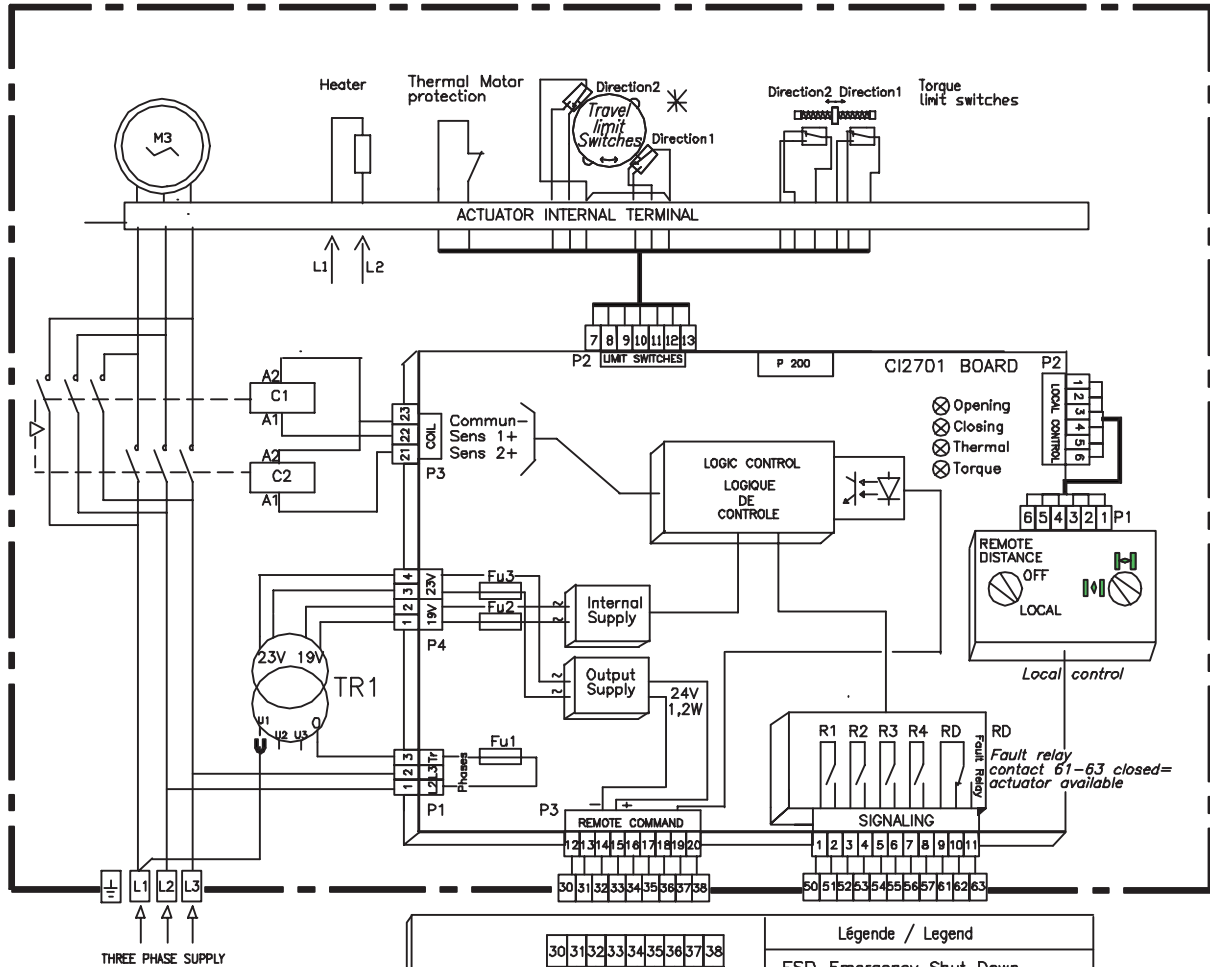


Connection for control by voltage

Légende / Legend

- ESD Emergency Shut Down
- NLC Local inhibition
- F Closing
- O Opening
- S Stop
- Fu Fuse
- TR Transformer
- R1 Signaling Relay
- R2 To be configured
- R3 To be configured
- R4 To be configured
- RD Fault relay

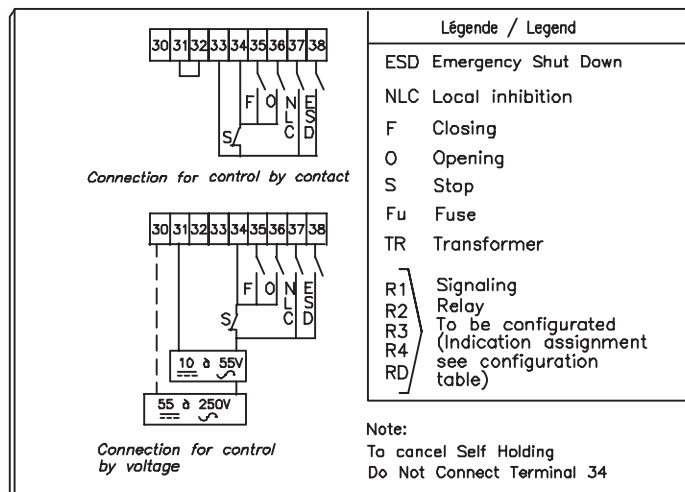
Note:
To cancel Self Holding
Do Not Connect Terminal 34



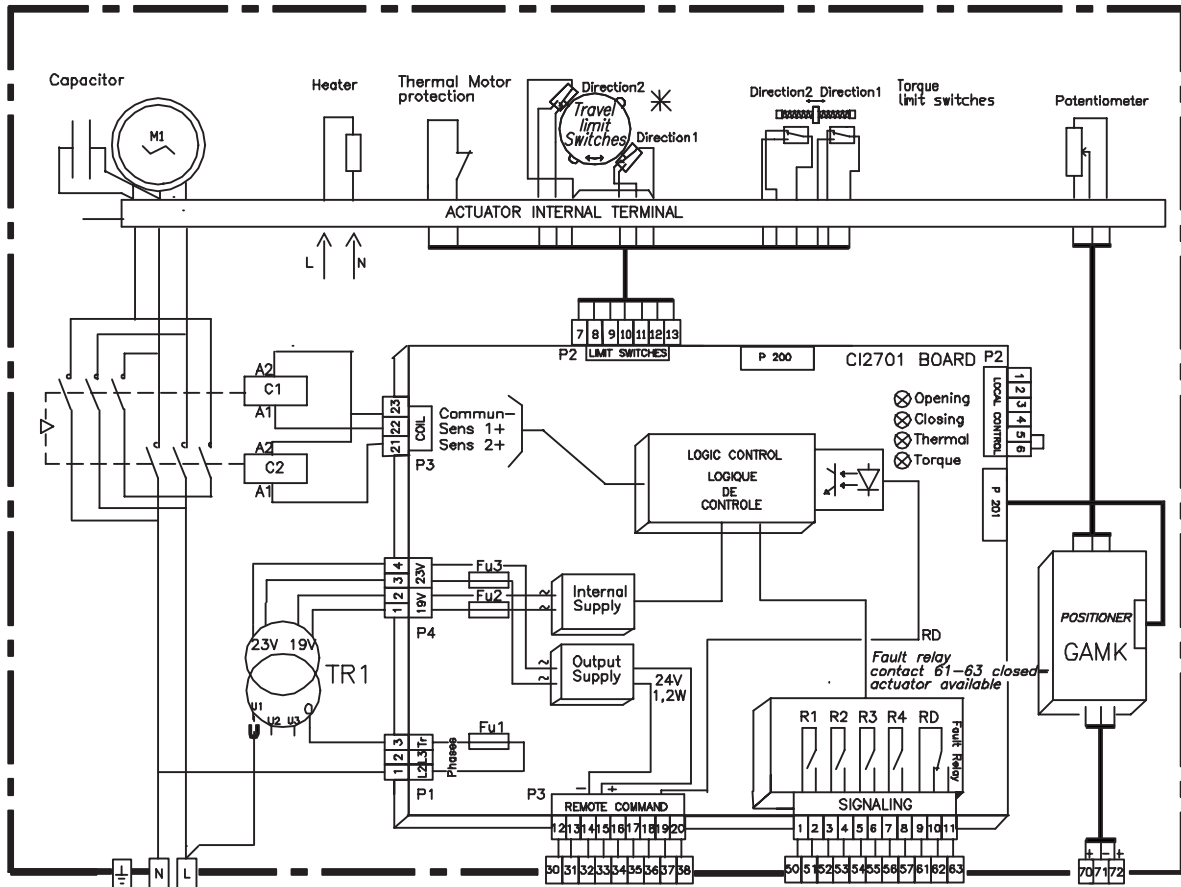
The Order in Phase is not important.
If one Phase is missing, the Actuator will not start and gives a signal (fault Relay).

* configuration

configuration	7A	7B
Direction1	Opening	Closing
Direction2	Closing	Opening



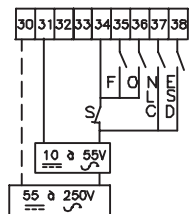
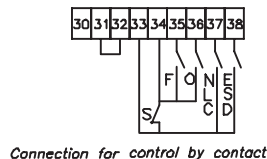
S25200/00



SINGLE PHASE SUPPLY

*

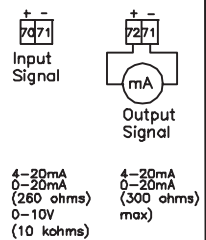
configuration	7A	7B
Direction1	Opening	Closing
Direction2	Closing	Opening



Légende / Legend

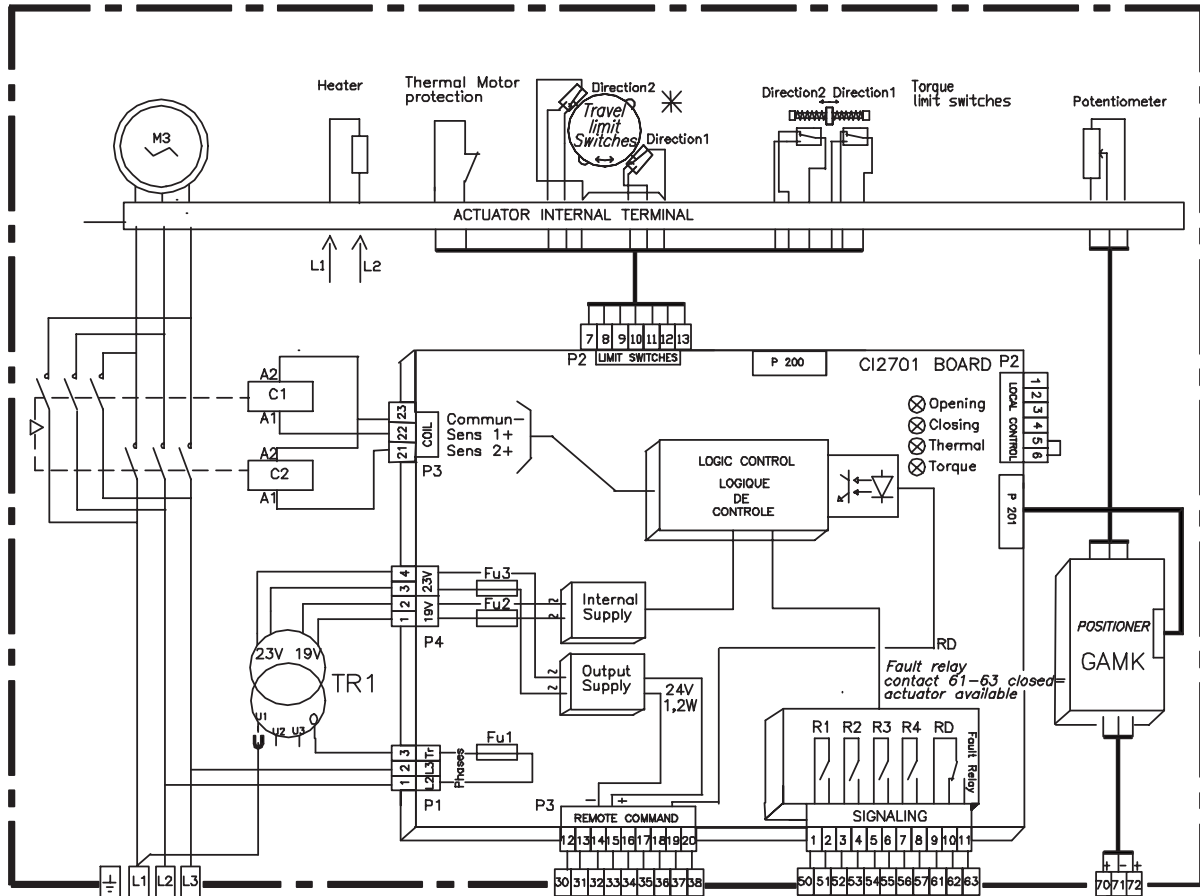
- ESD Emergency Shut Down
- OC Closed contact = ON-OFF control
- F Closing
- O Opening
- S Stop
- Fu Fuse
- TR Transformer
- R1 Signaling
- R2 Relay
- R3 To be configured (Indication assignment see configuration table)
- R4
- RD

Note:
 To cancel Self Holding
 Do Not Connect Terminal 34



Connecting for Positioner

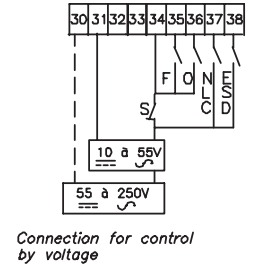
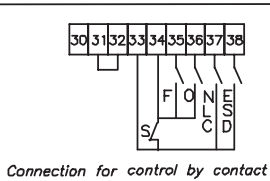
S25100/00



The Order in Phase is not important.
If one Phase is missing, the Actuator will not start and gives a signal (fault Relay).

*

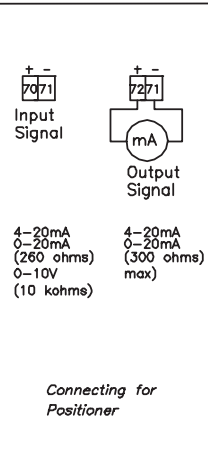
configuration	7A	7B
Direction1	Opening	Closing
Direction2	Closing	Opening



Légende / Legend

ESD Emergency Shut Down
 OC Closed contact = ON-OFF control
 F Closing
 O Opening
 S Stop
 Fu Fuse
 TR Transformer
 R1 Signaling
 R2 Relay
 R3 To be configured (Indication assignment see configuration table)
 R4
 RD

Note:
 To cancel Self Holding
 Do Not Connect Terminal 34



Wiring diagrams

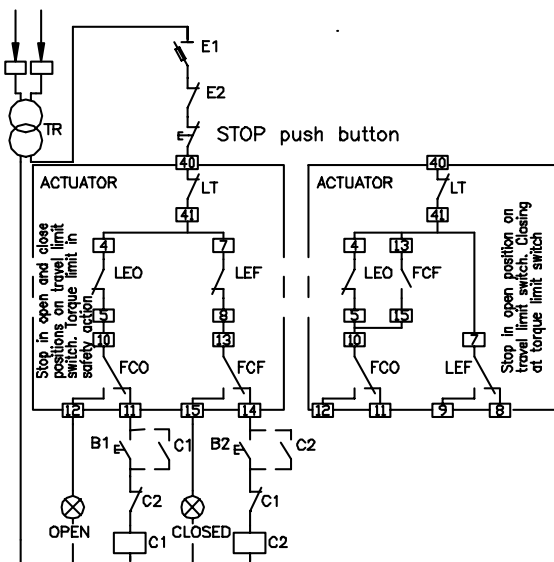
EXAMPLE OF WIRING DIAGRAM FOR STANDARD ACTUATOR

This diagram illustrates Actuator in intermediate position

CONTROL CIRCUIT

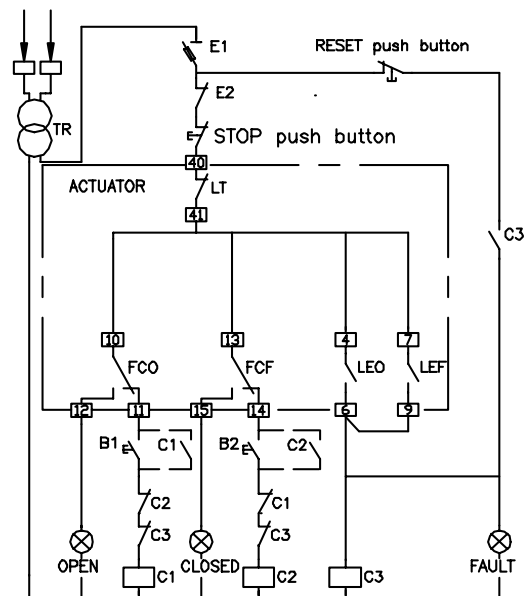
ST (& SRA6.2)

ACTUATOR WITH MAINTAINED TORQUE LIMIT SWITCH



SD (including SRA6.1 & SRC)

ACTUATOR WITH SHORT DURATION TORQUE LIMIT SWITCH

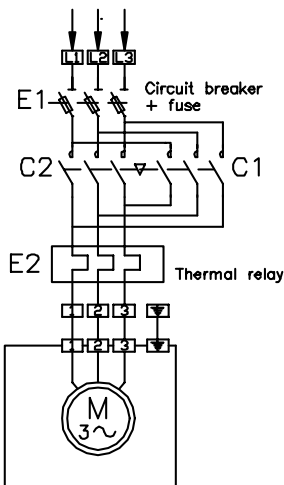


Stop in open and closed position on travel limit switch, Torque limit switch in safety action with manual reset
Wiring diagram for closing on torque limit switch on request

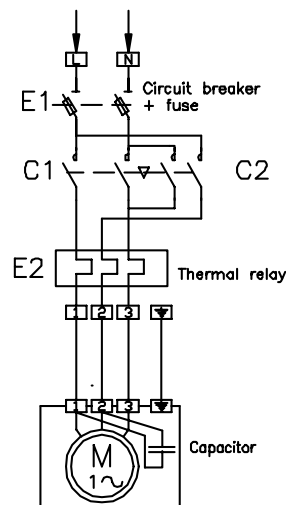
Dotted ligne : for short duration type signal (not maintained)

SUPPLY CIRCUIT

THREE-PHASE



SINGLE-PHASE



Legend

- E1 : Circuit breaker with fuse
- E2 : Thermal relay
- C1 : Contactor OPENING
- C2 : Contactor CLOSING
- C3 : Contactor FAULT
- FCO : Travel limit switch OPENING
- FCF : Travel limit switch CLOSING
- LEO : Torque limit switch OPENING
- LEF : Torque limit switch CLOSING
- LT : Thermal cut-out in motor
- TR : Transformer
- B1 : OPENING push button
- B2 : CLOSING push button