K1 Contactor, step-by-step operation
K2 Contactor, raise
K3 Contactor, lower
K4 Bistable relay
K601 Time relay, running-through protection
K602 Time relay, tap-change protection
M1 Motor
Q1 Protective motor switch
S1 Control selector switch
S2 Control switch
S3/S4 Cam operated contacts
S5 Interlocking switch, open
S6/S7 Limit switch, upper/lower
13-14 Maintaining contact
21-22 Auxiliary contact
33-34 Auxiliary contact
41-42 Interlocking contact
when hand crank is fitted
Push button "EMERGENCY STOP"
S15 Continuation contact
X Terminal board group

FOR HEATER, LIGHT CIRCUIT AND TAP-POSITION TRANSMITTER No. S14 ETC.
SEE SEPARATE DIAGRAMS.

- Raise operation
- Remote control

- Lower operation
- Local control

- Upper limit pos.
- Protective earth

- Lower limit pos.
- Crank

Based on
Prepared 2002-11-02 TOLIA
Approved 2002-12-12 TPLIA

Circuit Diagram
Motor-Drive Mechanism
TYPE BUL

ABB
5483 538-29
Sheet 1
Rev: 2
1) Continuation contact included only when OLTC has through positions, closed when OLTC is in through positions.

2) To be replaced by the fig. below when control circuit supply is DC.

Wiring Table: 5483 482-BKZ
Power supplies according to rating plate of tap-changer.