TURNS ON HAND CRANK OF MOTOR DRIVE MECHANISM

K1 Contactor, step-by-step operation
K2 Contactor, raise
K3 Contactor, lower
K4 Bistable relay
K6 Time relay, running-through protection
K11 Relay
M1 Motor
Q1 Protective motor switch
R1 Resistor
S1 Control selector switch
S2 Control switch
S3/S4 Cam operated contacts raise/lower
  33–34 Maintaining contact
  41–42 Interlocking contact
  13–14, 21–22 Auxiliary contact
S5 Interlocking switch, open
  when hand crank is fitted
S6/S7 Limit switch, upper/lower
  limit position
S8 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.

---

Based on: 2004-06-14 TOLA
Approved: 2007-10-15 THLA

Circuit Diagram
Motor-Drive Mechanism
TYPE BUL

ABB
5483 538-154
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-CDL
Power supplies according to rating plate of tap-changer.
TAP-CHANGE IN PROGRESS
TAP-CHANGE IN POSITION
CLOSED IN UPPER LIMIT
CLOSED IN LOWER LIMIT
ITEM OF OFF/RUNNING-THROUGH ALARM
STEP-BY-ST. IN OPERATION
STEP-BY-ST. DE-ENERGIZED
REMOTE 0 LOCAL

ABB
5483 538-154