TURNS ON HAND CRANK OF MOTOR DRIVE MECHANISM

POS. RAISE OPERATION POS. LOWER OPERATION POS.

K1 Contactor, step-by-step operation
K2 Contactor, raise
K3 Contactor, lower
K4 Bistable relay
K6 Time relay, running-through protection
K7 Undervoltage relay, control circuit
M1 Motor
Q1 Protective motor switch
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.

Raise operation
Lower operation
Upper limit pos.
Lower limit pos.

Remote control
Local control
Protective earth
Crank

Prepared 2002-05-15 THLA
Amended 2002-12-10 YOLA

Circuit Diagram
Motor-Drive Mechanism

ABB

Rev no: Lang
Sheet 1
Rev 2

5483 538-11
HOLDING CIRCUIT  INITIATION

LOWER          RAISE

REMOTE TRIPPING

1) CONTINUATION CONTACT INCLUDED ONLY
   WHEN OLTC HAS THROUGH POSITIONS.
   CLOSED WHEN OLTC IS IN THROUGH POSITIONS.

2), 3) TO BE REPLACED BY THE FIG. BELOW
   WHEN CONTROL CIRCUIT SUPPLY IS DC.

WIRING TABLE: 5483 482-BJL

POWER SUPPLIES ACCORDING TO RATING PLATE OF TAP-CHANGER.