TURNS ON HAND CRANK OF MOTOR DRIVE MECHANISM

<table>
<thead>
<tr>
<th>CONTACT</th>
<th>POS. RAISE OPERATION</th>
<th>POS. LOWER OPERATION</th>
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<tr>
<td>n</td>
<td>0 5 10 14 15</td>
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<td>41-42</td>
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K1 Contactor, step-by-step operation
K2 Contactor, raise
K3 Contactor, lower
K6 Time relay, running-through protection
K701 Undervoltage relay, motor circuit
K702 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

Based on
Prepared 2002-02-19 THLA
Approved 2002-12-09 YOLA

Circuit Diagram
Motor-Drive Mechanism
TYPE BUL

ABB
5483 538-5

Sheet 1
1 2 3 4 5 6
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-BJE

Power supplies according to rating plate of tap-changer.