For heater, light circuit and tap-position transmitter No. S14 etc., see separate diagrams.

- Raise operation
- Lower operation
- Remote control
- Local control
- Protective earth
- Crank

K1 Contactor, step-by-step operation
K2 Contactor, raise
K3 Contactor, lower
K4 Bistable relay
K601 Time relay, running-through protection
K602 Time relay, trip-change incomplete
M1 Motor
Q1 Protective motor switch
S1 Control selector switch
S2 Control switch
S3/S4 Cam operated contacts raise/lower
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

Turns on hand crank of motor drive mechanism

POS. RAISE OPERATION POS. LOWER OPERATION POS.

0 5 10 14 18 0 5 10 14 18

CONTACT

n n+1 n n+1

13-14 21-22 33-34 41-42

S14

S16

MBB

BBM

Upper limit pos.
Lower limit pos.

TAP-CHANGE OPERATION
<table>
<thead>
<tr>
<th>Rev</th>
<th>Note</th>
<th>Name</th>
<th>Date</th>
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<tr>
<td>2</td>
<td>Sheet 3: Signal lamp (item H1) removed.</td>
<td>THLA</td>
<td>2006-05-10</td>
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<tr>
<td>1</td>
<td>Sheet 3: Terminals for item Q1 changed.</td>
<td>SUKN</td>
<td>2005-01-28</td>
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Based on:
- Prepared: 2005-01-28, TOLA
- Approved: 2006-05-10, THLA

Circuit Diagram:
Motor-Drive Mechanism
TYPE_BUL

ABB
5483 538-28