TURNS ON HAND CRANK OF MOTOR DRIVE MECHANISM

<table>
<thead>
<tr>
<th>CONTACT</th>
<th>POS. RAISE OPERATION</th>
<th>POS. LOWER OPERATION</th>
</tr>
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<tr>
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<td>0</td>
<td>5</td>
</tr>
<tr>
<td>S3/S4</td>
<td>13</td>
<td>14</td>
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<td>21</td>
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<td>42</td>
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<tr>
<td>(MBB)</td>
<td>(S14)</td>
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<td>n-1</td>
<td>n</td>
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<tr>
<td>(BBM)</td>
<td>(S15)</td>
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<td>n-1</td>
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</table>

F2 Circuit breaker, control circuit
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  ○ Remote control
▽ Lower operation  ● Local control
U Upper limit pos.  ⊗ Protective earth
L Lower limit pos.  ○ Crank

Prepared: 2002-05-18 THLA
Approved: 2002-12-10 YOLA
Circuit Diagram
Motor-Drive Mechanism
Type Bul
Rev ed CDM/FD1
Sheet 1
5483 538-14
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-BJP

Power supplies according to rating plate of TAP-CHANGER.