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
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.

Raise operation
Lower operation
Upper limit pos.
Lower limit pos.
Remote control
Local control
Protective earth
Crank

Prepared 2006–10–10 SUKN
Approved 2007–10–12 THLA

Circuit Diagram
Motor–Drive Mechanism
TYPE BUL

ABB
5483 538–153