K1 Contactor, step-by-step operation
K2 Contactor, lower
K3 Contactor, raise
K4 Bistable relay
K601 Time relay, running-through protection
K602 Time relay, tap-change incomplete
M1 Motor
Q1 Protective motor switch
S1 Control selector switch
S2 Control switch
S3/S4 Cam operated contacts
raise/lower
S3–S4 Maintaining contact
41–42 Interlocking contact
13–14, 21–22 Auxiliary contact
S501 Interlocking switch, open
when hand crank is fitted, control circuit
S502 Interlocking switch, open
when hand crank is fitted, motor circuit
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

Brand on
Prepared 2003-05-14 THLA
Approved 2003-05-14 TGLA

Circuit Diagram
Motor-Drive Mechanism
TYPE BUL

ABB

5483 538-79
Rev 2

1) CONINUATION 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-BXR

POWER SUPPLIES ACCORDING TO RATING PLATE OF TAP-CHANGER.