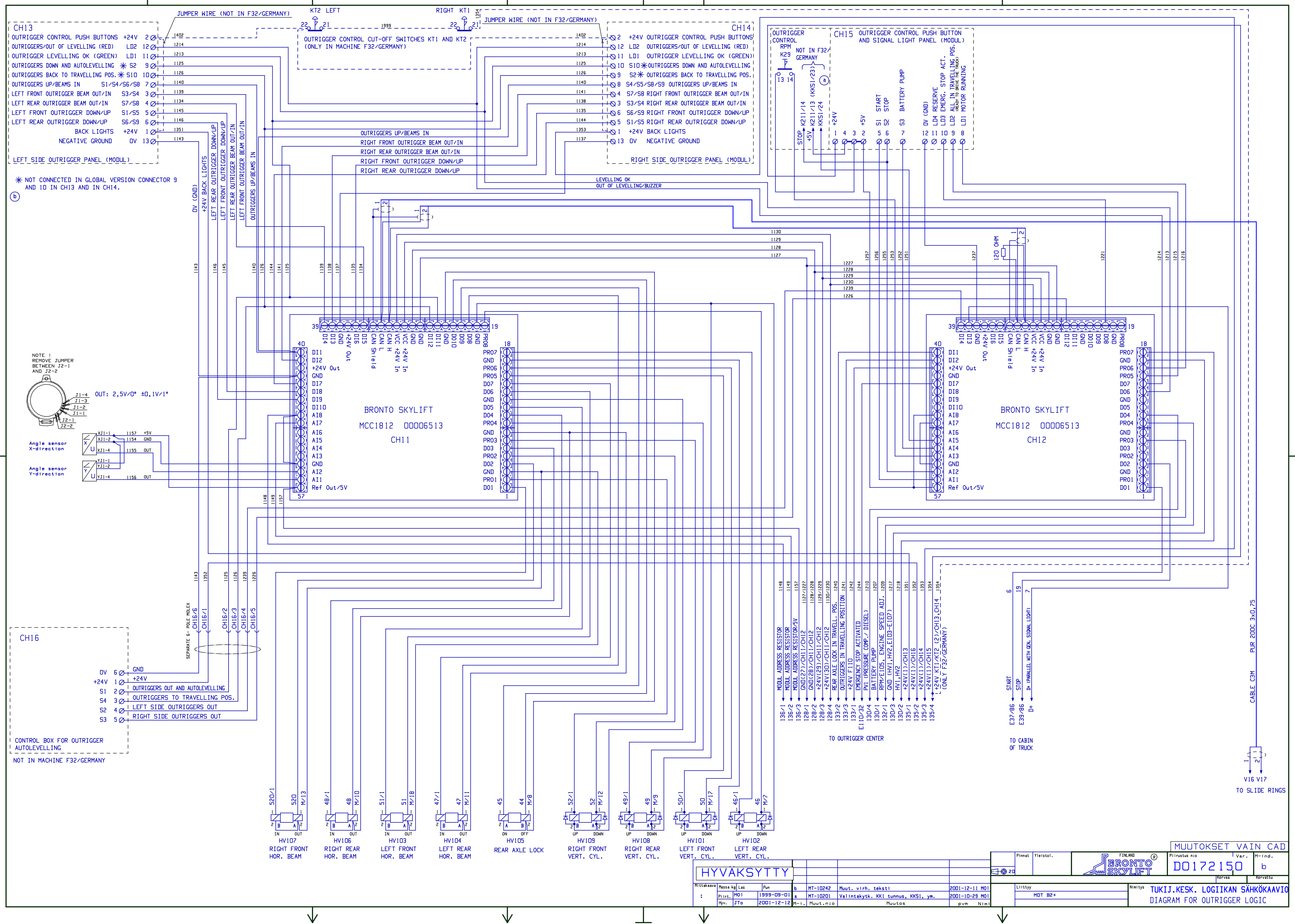
CH13
OUTRIGGER CONTROL PUSH BUTTONS +24V 2
OUTRIGGERS/OUT OF LEVELLING (RED) LD2 12
OUTRIGGER LEVELLING OK (GREEN) LD1 11
OUTRIGGERS DOWN AND AUTOLEVELLING ✳ S2 9
OUTRIGGERS BACK TO TRAVELLING POS. ✳ S10 10
OUTRIGGERS UP/BEAMS IN S1/S4/S6/S8 7
LEFT FRONT OUTRIGGER BEAM OUT/IN S3/S4 3
LEFT REAR OUTRIGGER BEAM OUT/IN S7/S8 4
LEFT FRONT OUTRIGGER DOWN/UP S1/S5 5
LEFT REAR OUTRIGGER DOWN/UP S6/S9 6
BACK LIGHTS +24V 1
NEGATIVE GROUND 0V 13
LEFT SIDE OUTRIGGER PANEL (MODUL)
✳ NOT CONNECTED IN GLOBAL VERSION CONNECTOR 9 AND 10 IN CH13 AND IN CH14.
JUMPER WIRE (NOT IN F32/GERMANY)
KT2 LEFT
RIGHT KT1
OUTRIGGER CONTROL CUT-OFF SWITCHES KT1 AND KT2 (ONLY IN MACHINE F32/GERMANY)
CH14
2 +24V OUTRIGGER CONTROL PUSH BUTTONS
12 LD2 OUTRIGGERS/OUT OF LEVELLING (RED)
11 LD1 OUTRIGGER LEVELLING OK (GREEN)
10 S10 ✳ OUTRIGGERS DOWN AND AUTOLEVELLING
9 S2 ✳ OUTRIGGERS BACK TO TRAVELLING POS.
8 S4/S5/S8/S9 OUTRIGGERS UP/BEAMS IN
4 S7/S8 RIGHT FRONT OUTRIGGER BEAM OUT/IN
3 S3/S4 RIGHT REAR OUTRIGGER BEAM OUT/IN
6 S6/S9 RIGHT FRONT OUTRIGGER DOWN/UP
5 S1/S5 RIGHT REAR OUTRIGGER DOWN/UP
1 +24V BACK LIGHTS
13 0V NEGATIVE GROUND
RIGHT SIDE OUTRIGGER PANEL (MODUL)
OUTRIGGER CONTROL RPM K29
NOT IN F32/GERMANY
CH15 OUTRIGGER CONTROL PUSH BUTTON AND SIGNAL LIGHT PANEL (MODUL)
STOP
K211/14 +5V
K211/13 (KKS1/23)
KKS1/24
+24V
+5V
S1 START
S2 STOP
S3 BATTERY PUMP
0V (GND)
LD4 RESERVE
LD3 EMERG. STOP ACT.
LD2 ALL IN TRAVELLING POS. (READY TO DRIVE THE TRUCK)
LD1 MOTOR RUNNING
OUTRIGGERS UP/BEAMS IN
RIGHT FRONT OUTRIGGER BEAM OUT/IN
RIGHT REAR OUTRIGGER BEAM OUT/IN
RIGHT FRONT OUTRIGGER DOWN/UP
RIGHT REAR OUTRIGGER DOWN/UP
LEVELLING OK
OUT OF LEVELLING/BUZZER
0V (GND)
+24V BACK LIGHTS
LEFT REAR OUTRIGGER DOWN/UP
LEFT FRONT OUTRIGGER DOWN/UP
LEFT REAR OUTRIGGER BEAM OUT/IN
LEFT FRONT OUTRIGGER BEAM OUT/IN
OUTRIGGERS UP/BEAMS IN
120 OHM
NOTE ! REMOVE JUMPER BETWEEN J2-1 AND J2-2
J1-4 J1-3 J1-2 J1-1 J2-1 J2-2
OUT: 2,5V/0° ±0,1V/1°
Angle sensor X-direction
Angle sensor Y-direction
XJ1-1 1157 +5V
XJ1-2 1154 GND
XJ1-4 1155 OUT
YJ1-1
YJ1-2
YJ1-4 1156 OUT
BRONTO SKYLIFT
MCC1812 00006513
CH11
BRONTO SKYLIFT
MCC1812 00006513
CH12
DI14 DI13 GND GND +24V Out DI16 DI15 CAN Shield CAN L CAN H VCC +24V In VCC +24V In GND GND DI12 DI11 GND DO10 DO9 DO8 GND PRO8
DI1 DI2 +24V Out GND DI7 DI8 DI9 DI10 AI8 AI7 AI6 AI5 AI4 AI3 GND AI2 AI1 Ref Out/5V
PRO7 GND PRO6 PRO5 DO7 DO6 GND DO5 DO4 PRO4 GND PRO3 DO3 PRO2 DO2 GND PRO1 DO1
CH16
SEPARATE 6- POLE MOLEX
CH16/6 CH16/1 CH16/2 CH16/3 CH16/4 CH16/5
0V 6 GND
+24V 1 +24V
S1 2 OUTRIGGERS OUT AND AUTOLEVELLING
S4 3 OUTRIGGERS TO TRAVELLING POS.
S2 4 LEFT SIDE OUTRIGGERS OUT
S3 5 RIGHT SIDE OUTRIGGERS OUT
CONTROL BOX FOR OUTRIGGER AUTOLEVELLING
NOT IN MACHINE F32/GERMANY
MODUL ADDRESS RESISTOR
MODUL ADDRESS RESISTOR
MODUL ADDRESS RESISTOR/5V
GND(27)/CH11/CH12
GND(28)/CH11/CH12
+24V(29)/CH11/CH12
+24V(30)/CH11/CH12
REAR AXLE LOCK IN TRAVELL. POS.
OUTRIGGERS IN TRAVELLING POSITION
+24V F110
EMERGENCY STOP ACTIVATED
PVL (PRESSURE COMP./ DIESEL)
BATTERY PUMP
RPM/E105, ENGINE SPEED ADJ.
GND (HV1,HV2,E103-E107)
HV1,HV2
+24V(1)/CH13
+24V(1)/CH16
+24V(1)/CH14
+24V(1)/CH15
+24V KT1/KT2 (2)/CH13,CH14 (ONLY F32/GERMANY)
TO OUTRIGGER CENTER
START
STOP
D+ (PARALLEL WITH GEN. SIGNAL LIGHT)
E37/86
E39/86
D+
TO CABIN OF TRUCK
CABLE C3M PUR 200C 3x0,75
V16 V17
TO SLIDE RINGS
HV107 RIGHT FRONT HOR. BEAM
HV106 RIGHT REAR HOR. BEAM
HV103 LEFT FRONT HOR. BEAM
HV104 LEFT REAR HOR. BEAM
HV105 REAR AXLE LOCK
HV109 RIGHT FRONT VERT. CYL.
HV108 RIGHT REAR VERT. CYL.
HV101 LEFT FRONT VERT. CYL.
HV102 LEFT REAR VERT. CYL.
IN OUT
ON OFF
UP DOWN
HYVÄKSYTTY
MUUTOKSET VAIN CAD
FINLAND BRONTO SKYLIFT
Piirustus nro D0172150
Var. b
M-ind.
Massa kg
Las
Pun
Piirt. M01 1999-09-01
Hyv. JTo 2001-12-12
b MT-10242 Muut. virh. teksti 2001-12-11 M01
a MT-10201 Valintakytk. KK1 tunnus, KKS1, ym. 2001-10-29 M01
M-i. Muut.nro Muutos pvm Nimi
Liittyy MDT B2+
Nimitys TUKIJ.KESK. LOGIIKAN SÄHKÖKAAVIO
DIAGRAM FOR OUTRIGGER LOGIC