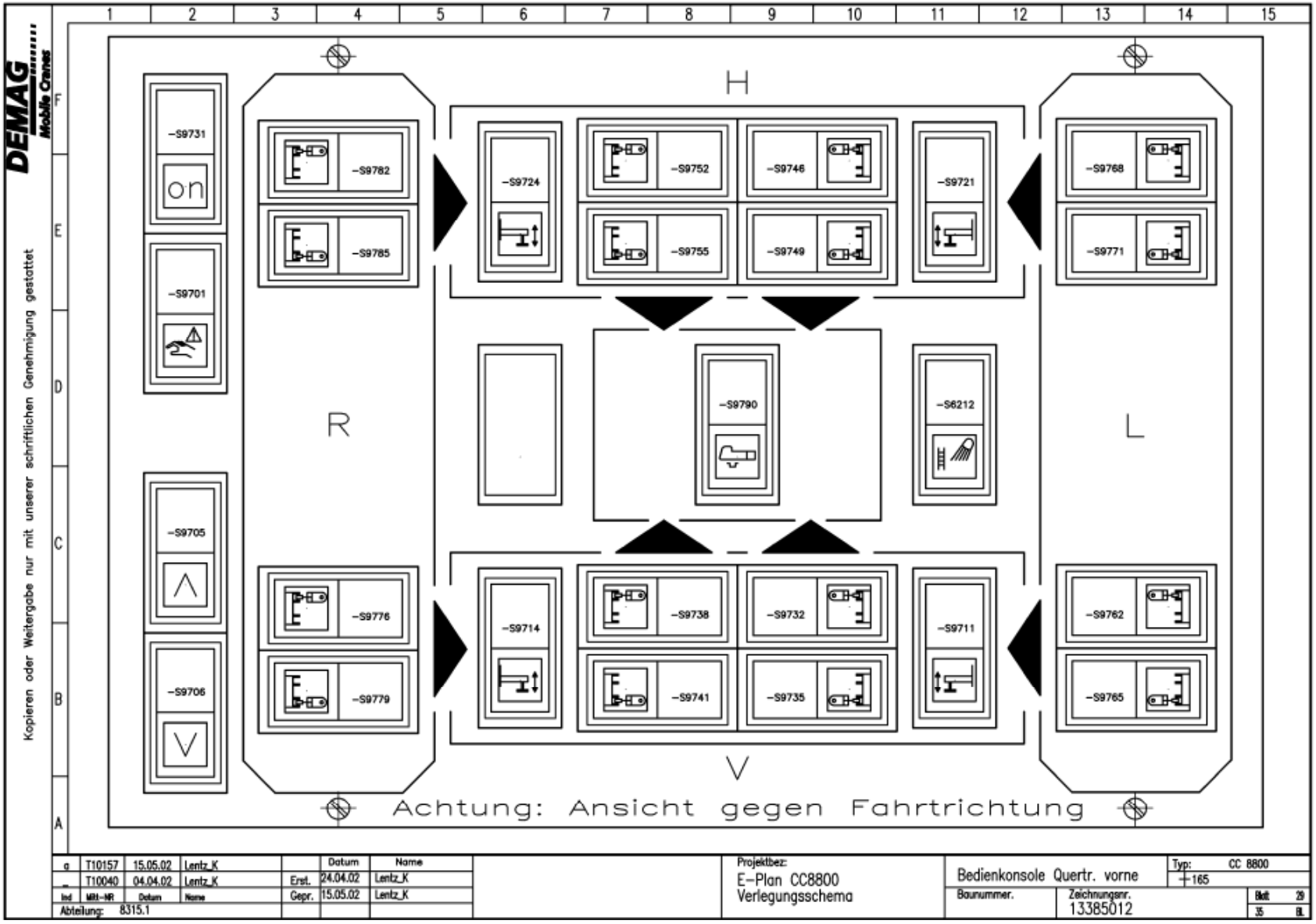
Contents


DEMAG Mobile Cranes
Kopieren oder Weitergabe nur mit unserer schriftlichen Genehmigung gestattet
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F
H
R
L
V
-S9731
on
-S9701
-S9705
-S9706
-S9782
-S9785
-S9724
-S9752
-S9746
-S9755
-S9749
-S9721
-S9790
-S6212
-S9768
-S9771
-S9776
-S9779
-S9714
-S9738
-S9732
-S9741
-S9735
-S9711
-S9762
-S9765
Achtung: Ansicht gegen Fahrtrichtung
a T10157 15.05.02 Lentz_K
_ T10040 04.04.02 Lentz_K
Ind MRI-NR Datum Name
Abteilung: 8315.1
Datum Name
Erst. 24.04.02 Lentz_K
Gepr. 15.05.02 Lentz_K
Projektbez:
E-Plan CC8800
Verlegungsschema
Bedienkonsole Quertr. vorne
Typ: CC 8800
+165
Baunummer.
Zeichnungsnr.
13385012
Blatt 29
35 Bl.

-A0707 - Expansion socket -X2, part 2

	Pin	Type	Sort	Terminal		Status	Object	Function
+615	-35	INP26	AE 1	-X0001.16			-B7312	H2 pressure transducer
-A0707	-36	INP27	AE 2	.23			-B7313	H3 pressure transducer
-X2	-37	INP28	AE 3	.169			-B7316	W1 pressure transducer
	-38	INP29	AE 4	.73			-B7317	W2 pressure transducer
	-39	INP30	AE 5	.99			-B7318	E pressure transducer
	-40	INP31	AE 6					n.c.
	-41	INP32	AE 7					n.c.
	-42	POUT21	DA 05	.430			-Y8716	reeving winch: enable mooring for moving bridle
	-43	POUT22	DA 06	.419		-A0562-K12	-Y8516	W2 brake lower
	-44	POUT23	DA 07 (2)					n.c.
	-45	POUT24	DA 08	.418		-A0562-K11	-Y8515	W2 brake raise
	-46							
	-47							
	-48							
	-49	INP 1	DE 0	.85				pilot circuit operation without SL-mast
	-50	INP 2	DE 1	.86				pilot circuit operation with SL-mast
	-51	INP 3	DE 2	.127				pilot circuit operation SL-0 ton
	-52	INP 4	DE 3	.128				pilot circuit operation SL-tray
	-53	INP 5	DE 4	.129				pilot circuit operation SL-CWC
	-54	INP 6	DE 5	.191				pilot circuit operation without H-A foot section
	-55	INP 7	DE 6	.192				pilot circuit operation with H-A foot section
	-56	INP 8	DE 7	.143				pilot circuit H-A/ HI (1250t head)
	-57	INP 9	DE 8	.144				pilot circuit connecting head (625t head)
	-58	INP 10	DE 9	.147			-S7238	switch without set of sheaves connecting head
	-59	INP 11	DE 10	.145				pilot circuit LF
	-60	INP 12	DE 11	.146				pilot circuit runner
	-61	INP 13	DE 12					Fire suppression activated
	-62	INP 14	DE 13					Fire suppression alarm
	-63	INP 15	DE 14	.3			-S7291	winch lower limit switch H1
	-64	INP 16	DE 15	.10			-S7292	winch lower limit switch H2
	-65	INP 17	DE 0	.17			-S7293	winch lower limit switch H3
	-66	INP 18	DE 1	.163			-S7296	winch lower limit switch W1
	-67	INP 19	DE 2	.67			-S7297	winch lower limit switch W2
	-68	INP 20	DE 3	.93			-S7298	winch lower limit switch E
	-69							
	-70							

(2) = 2 Ampere output
→ ↓ = input (switches GND)

-A0703 - Expansion socket -X2, part 2

	Pin	Type	Sort	Terminal	Status	Object	Function
+615	**-35**	INP26	AE 1	-X0001.330		-B8001-Y1	twin joystick axis Y2 signal
-A0703	**-36**	INP27	AE 2	.353		-B8002-X	X/Y joystick axis X signal
-X2	**-37**	INP28	AE 3	.354		-B8002-Y	X/Y joystick axis Y signal
	-38	INP29	AE 4	.362		-B8006-Y1	foot pedal axis Y1 signal
	-39	INP30	AE 5	.366		-B8006-Y2	foot pedal axis Y2 signal
	-40	INP31	AE 6	.370		-B8007	foot pedal slewing gear signal
	-41	INP32	AE 7	.448		-B7325	pressure transducer P3.3
	-42	POUT21	DA 05 (2)	.401		-Y8311	HW3 raise circuit 2 (block 2)
	-43	POUT22	DA 06			-B8001-Y1	rotation indicator twin joystick left
	-44	POUT23	DA 07 (2)	.402		-Y8312	HW3 lower circuit 2 (block 2)
	-45	POUT24	DA 08			-B8001-Y2	rotation indicator twin joystick right
	-46						
	-47		UBE +	.384			UB from –F0374
	-48		KGND	MN0			KGND
	-49	INP 1	DE 0	.312		-B8001-RY1+	direction switch twin joystick RY1 + forward
	-50	INP 2	DE 1	.313		-B8001-RY1-	direction switch twin joystick RY1 - backwards
	-51	INP 3	DE 2	.314		-B8001-RY2+	direction switch twin joystick RY2 + forward
	-52	INP 4	DE 3	.315		-B8001-RY2-	direction switch twin joystick RY2 - backwards
	-53	INP 5	DE 4	.342		-B8002-RX+	direction switch -X/-Y joystick RX + right
	-54	INP 6	DE 5	.343		-B8002-RX-	direction switch -X/-Y joystick RX - left
	-55	INP 7	DE 6	.344		-B8002-RY+	direction switch -X/-Y joystick RY + forward
	-56	INP 8	DE 7	.345		-B8002-RY-	direction switch -X/-Y joystick RY - backwards
	-57	INP 9	DE 8	.317		-B8001-S11	key twin joystick -Y1 left front (slewing gear freewheel)
	-58	INP 10	DE 9	.318		-B8001-S12	key twin joystick -Y1 right front (Trimot/high speed)
	-59	INP 11	DE 10	.319		-B8001-S13-L	rocker switch on twin joystick -Y1 left (reference value H1/ W2 / travelling gear min)
	-60	INP 12	DE 11	.320		-B8001-S13-R	rocker switch on twin joystick -Y1 right (reference value H1/ W2 / travelling gear max)
	-61	INP 13	DE 12	.322		-B8001-S21	key twin joystick -Y2 left front (slewing gear freewheel)
	-62	INP 14	DE 13	.323		-B8001-S22	key twin joystick -Y2 right front (Trimot/high speed)
	-63	INP 15	DE 14	.324		-B8001-S23-L	rocker switch on twin joystick -Y2 left (reference value H2/ H3 / E / travelling gear min)
	-64	INP 16	DE 15	.325		-B8001-S23-R	rocker switch on twin joystick -Y2 right (reference value H2/ H3 / E / travelling gear max)
	-65	INP 17	DE 0	.347		-B8002-S11	key -X/-Y joystick left front (slewing gear / SL-CWC pressure increase)
	-66	INP 18	DE 1	.348		-B8002-S12	key -X/-Y joystick right front (Trimot/high speed)
	-67	INP 19	DE 2	.349		-B8002-S13-L	rocker switch on -X/-Y joystick left (reference value slewing gear /R1 min)
	-68			.350			
	-68	INP 20	DE 3			-B8002-S13-R	rocker switch on -X/-Y joystick right (reference value slewing gear /R1 max)
	-70		KGND	MN0			KGND

(2) = 2 Ampere output
→ ↓ = input (switches GND)

Control System CC8800
Limit Switches and Pilot Circuits

Abbreviations used in this chart

	A2B	Anti-two-block
	acc.	according to
	AK	Connecting head
	appr.	approximately
	CWC	Counterweight Carrier
	CWT	Counterweight
	Cyl	SL-cylinder/stinger
	cyl	cylinder (any)
	D	Slewing gear
	Design.	Designation
	E	boom hoist
	Emax	maximum force in boom hoist
	Emin	minimum force in boom hoist
	ext	extend cylinder/stinger
	FL	Left crawler
	forw	travel crawler forward
	FR	Right crawler
	H#	Hoist
	HA	Main boom
	HI	Fly jib
	incl.	inclination
	kN	kilo Newton
	l	lower hook, boom or jib
	L	Light
	LF	Fixed jib
	LH	Light main boom
	lh/rh	left hand/right hand
	LSL	Light Superlift
	max.	maximum
	r	raise hook, boom or jib
	R1	Reeving winch
	ret	retract cylinder
	rev	reverse crawler/travel backwards
	RG 0	Rigging mode
	S	Heavy
	SH	Heavy main boom
	SH-R	Heavy main boom with runner
	SL	Superlift
	SL-ballast	CWT on SL-tray
	SL-counterweight	CWT on SL-tray
	SMMA#	self assembly with SL-mast
	SSL	Heavy Superlift
	SW	Heavy luffing fly jib
	t	metric tons
	VL	Vessel lift (optional configuration)
	W1/2	Luffing gear 1 or 2
	>	more/over than
	<	less/below than

Control System CC8800
Limit Switches and Pilot Circuits

Operating mode	Plug		Terminal	Design.	Function	H1 r	H1 l	H2 r	H2 l	H3 r	H3 l	E r	E l			W2 r	W2 l	D left	D right	FL forw	FL rev	FR forw	FR rev	R1 r	R1 l	Cyl ext	Cyl ret
	MCM	PIN																									
SFVL-R					Enable A2B rigging	1		1		1			1				1										
					or																						
with SL-CWC	A0707	-x1:66		S7273 - S7276	A2B 1250t head	1		1		1			1				1										
with set of sheaves	A0707	-x1:65		S7273 - S7276	A2B 625t head	1		1		1			1				1										
	A0707	-x1:68		S7279 / S7280	A2B runner	1		1		1			1				1										
	A0707	-x2:32		S7225 / S7226	Boom back-stop cyl. retracted left/right							1				1										1	1
	A0707	-x2:33		S7243 / S7244	SL-mast back-stops retracted left/right							1														1	1
	A0707	-x2:63		S7291	Lowering limit switch H1		1																				
	A0707	-x2:64		S7292	Lowering limit switch H2				1																		
	A0707	-x2:65		S7293	Lowering limit switch H3						1																
	A0707	-x2:67		S7297	Lowering limit switch W2												1										
	A0707	-x2:31		S7241 / S7242	W2 bridle retracted left/right											1											
	A0722	e14		B7331	Pressure boom back-stop cylinder	1^4		1^4		1^4		1^4	1^4			1^4	1^4			1^4	1^4	1^4	1^4			1^4	1^4
	A0722	a24/26		B7471 / B7472	E < Emax acc. to load chart + .5t	1		1		1		1	1			1	1	1	1	1	1	1	1			1	1
	A0703	-x2:41		B7325	Pressure pump 1.1.3 > appr. 4 bar	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:58		S7238	Switch without set of sheaves AK	0	0	0	0	0	0	0	0			0	0										
	A0707	-x2:57		+330 -X12	Pilot circuit AK (625t head)	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:60		+370 -X10	Pilot circuit runner	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:56		+365 -X12	Pilot circuit HA-HI (1250t head)	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:55		+330 -X10	Pilot circuit with HA foot	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:54		+606 -X18	Pilot circuit without HA foot	0	0	0	0	0	0	0	0			0	0										
	A0707	-x2:50		+281 -X10	Pilot circuit with SL-Mast	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1^2	1^2	1^2	1^2
	A0707	-x2:49		+606 -X16	Pilot circuit without SL-Mast	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0^2	0^2	0^2	0^2
	A0707	-x2:53		+420 -X10	Pilot circuit SL-CWC	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0^2	0^2	0^2	0^2
	A0707	-x2:51		+207-X12/+411-X13	Pilot circuit SL 0t	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1^2	1^2	1^2	1^2
	A0707	-x2:52		+410 -X10	Pilot circuit SL-tray	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0^2	0^2	0^2	0^2

2) This function is possible only if rigging is selected

4) The functions are switched off if the pressure in the main boom back-stop cylinders is > S bar and the force in the pendant bars to the boom head is more than At+(C,D)t. For actual values see description of LMI.....

Control System CC8800
Limit Switches and Pilot Circuits

Operating mode	Plug		Terminal	Design.	Function	H1 r	H1 l	H2 r	H2 l	H3 r	H3 l	E r	E l			W2 r	W2 l	D left	D right	FL forw	FL rev	FR forw	FR rev	R1 r	R1 l	Cyl ext	Cyl ret
	MCM	PIN																									
SSL					Enable A2B rigging	1		1		1			1				1										
					or																						
with SL-CWC	A0707	-x1:66		S7273 - S7276	A2B 1250t head	1		1		1			1				1										
	A0707	-x2:32		S7225 / S7226	Boom back-stop cyl. retracted left/right							1				1										1	1
	A0707	-x2:33		S7243 / S7244	SL-mast back-stops retracted left/right							1														1	1
	A0707	-x2:63		S7291	Lowering limit switch H1		1																				
	A0707	-x2:64		S7292	Lowering limit switch H2				1																		
	A0707	-x2:65		S7293	Lowering limit switch H3						1																
	A0707	-x2:67		S7297	Lowering limit switch W2												1										
	A0707	-x2:31		S7241 / S7242	W2 bridle retracted left/right											1											
	A0722	e14		B7331	Pressure boom back-stop cylinder	1[4]		1[4]		1[4]		1[4]	1[4]			1[4]	1[4]			1[4]	1[4]	1[4]	1[4]			1[4]	1[4]
	A0722	a24/26		B7471 / B7472	E < Emax acc. to load chart + .5t	1		1		1		1	1			1	1	1	1	1	1	1	1			1	1
	A0703	-x2:41		B7325	Pressure pump 1.1.3 > appr. 4 bar	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:58		S7238	Switch without set of sheaves AK	0	0	0	0	0	0	0	0			0	0										
	A0707	-x2:57		+330 -X12	Pilot circuit AK (625t head)	0	0	0	0	0	0	0	0			0	0										
	A0707	-x2:60		+370 -X10	Pilot circuit runner	0	0	0	0	0	0	0	0			0	0										
	A0707	-x2:56		+365 -X12	Pilot circuit HA-HI (1250t head)	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:55		+330 -X10	Pilot circuit with HA foot	1	1	1	1	1	1	1	1			1	1										
	A0707	-x2:54		+606 -X18	Pilot circuit without HA foot	0	0	0	0	0	0	0	0			0	0										
	A0707	-x2:50		+281 -X10	Pilot circuit with SL-Mast	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1[2]	1[2]	1[2]	1[2]
	A0707	-x2:49		+606 -X16	Pilot circuit without SL-Mast	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0[2]	0[2]	0[2]	0[2]
	A0707	-x2:53		+420 -X10	Pilot circuit SL-CWC	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0[2]	0[2]	0[2]	0[2]
	A0707	-x2:51		+207-X12/+411-X13	Pilot circuit SL 0t	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1[2]	1[2]	1[2]	1[2]
	A0707	-x2:52		+410 -X10	Pilot circuit SL-tray	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0[2]	0[2]	0[2]	0[2]

2) This function is possible only if rigging is selected

4) The functions are switched off if the pressure in the main boom back-stop cylinders is > S bar and the force in the pendant bars to the boom head is more than At+(C,D)t. For actual values see description of LMI.....