CODE 1
CONNECTING DIAGRAM
POTAIN

Wire No.	Function:	Crane Type / Drawing No.: 215	217	218	220	221	232A	308	309	313A	320	321A	321B	321C	325	326A	326B	326D	330	331	331B	332	334	336
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
2	COMMON EMERGENCY STOP	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
3	EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	COMMON TURN	12	12	12	12	12	12	12	12	12	12	12	12	-	12	-	-	-	12	-	12	12	12	-
5	TURN RIGHT 1-4	2	2	2	2	2	2	2	2	2	2	2	2	-	2	-	-	-	2	-	2	2	2	-
6	TURN LEFT 1-4	3	3	3	3	3	3	3	3	3	3	3	3	-	3	-	-	-	3	-	3	3	3	-
7	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	17	17	17	17	-	17	-	-	-	17	-	17	18	17	-
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	18	18	18	18	-	18	-	-	-	18	-	18	-	18	-
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	COM. HOIST ST1; TROLLEY	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12	LOWER 1-3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
13	LIFT 1-3-3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	TROLLEY FORWARD 1-3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
15	TROLLEY BACKWARD 1-3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
16	TROLLEY FWD/BWD 3-2 / 2-3	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
18	TRAVEL LEFT	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
19	TRAVEL RIGHT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
20	LIFT / LOWER 3-2 / 2-3	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
21	COMMON HORN; BYPASS	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
22	LIFT / LOWER 3 / 3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
23	TROLLEY FWD/BWD 3 / 3	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	HORN *NO*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
26	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COMMON BRAKE; ON/OFF	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
28	BRAKE *NC*	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
33	COMMON ON	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	17	17	17	17	17	17	17	17	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-
42	TURN R / L 4-2 / 2-4	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	18	-	18	18	18	-	18	-	-	-	18
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	17	-	17	17	17	-	17	-	-	-	17
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	3	3	-	3	-	-	-	3
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	2	2	-	2	-	-	-	2
CABLE-NO.: Compact-V_D_R20_17		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 1 : ;1;-;-;-;-;-;-;-;-; Note:																								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
POTAIN

Wire No.	Function:	340	346	346A	350	356	360	366	380	386	428F	E10/14C	F15/15C	HD 10A	E1 13B	HD 14C	HD 14B	HD 16B	HD 16C	HD 21A	HD 21B_1	HD 21B_2	HD 21B15	HD 21B20
		Crane Type / Drawing No.:																						
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
2	COMMON EMERGENCY STOP	12	12	12	12	12	12	12	12	12	12	12	12	11	12	12	12	12	12	12	12	12	12	12
3	EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
4	COMMON TURN	12	12	-	12	-	12	-	12	-	17	-	-	3	12	18	18	12	12	12	18	12	17	12
5	TURN RIGHT 1-4	2	22	-	2	-	2	-	2	-	2	-	-	12	2	2	2	2	2	2	2	22	2	22
6	TURN LEFT 1-4	3	22	-	3	-	3	-	3	-	3	-	-	6	3	3	3	3	3	3	3	22	3	22
7	TURN R / L 4-2 / 2-4	17	-	-	17	-	17	-	17	-	-	-	-	13	17	17	17	17	17	-	17	-	-	-
8	TURN R / L 4-3 / 3-4	18	-	-	18	-	18	-	18	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	24	24	24	24	T	24	24	24	24	24	24	24	24	24	24
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	COM. HOIST ST1; TROLLEY	12	12	12	12	12	12	12	12	12	12	12	12	3	12	12	12	12	12	12	12	12	12	12
12	LOWER 1-3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
13	LIFT 1-3-3	10	10	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	10
14	TROLLEY FORWARD 1-3	6	6	6	6	6	6	6	6	6	6	6	6	10	6	6	6	6	6	6	6	6	6	6
15	TROLLEY BACKWARD 1-3	5	5	5	5	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5
16	TROLLEY FWD/BWD 3-2 / 2-3	15	15	15	15	15	15	15	15	15	15	15	15	-	15	15	15	15	15	15	15	15	15	15
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	12	12	12	12	12	12	12	12	12	12	12	12	3	12	12	12	12	12	12	12	12	12	12
18	TRAVEL LEFT	8	8	8	8	8	8	8	8	8	8	8	8	-	8	8	8	8	8	8	8	8	8	8
19	TRAVEL RIGHT	7	7	7	7	7	7	7	7	7	7	7	7	-	7	7	7	7	7	7	7	7	7	7
20	LIFT / LOWER 3-2 / 2-3	14	14	14	14	14	14	14	14	14	14	14	14	5	14	14	14	14	14	14	14	14	14	14
21	COMMON HORN; BYPASS	12	12	12	12	12	12	12	12	12	12	12	12	2	12	12	12	12	12	12	12	12	12	12
22	LIFT / LOWER 3 / 3	4	4	4	4	4	4	4	4	4	4	4	4	-	4	4	4	4	4	4	4	4	4	4
23	TROLLEY FWD/BWD 3 / 3	16	16	16	16	16	16	16	16	16	16	16	16	-	-	16	16	16	16	16	16	16	16	16
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	HORN *NO*	13	13	13	13	13	13	13	13	13	13	13	13	7	13	13	13	13	13	13	13	13	13	13
26	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COMMON BRAKE; ON/OFF	12	12	12	12	12	12	12	12	12	12	12	12	-	12	12	12	12	12	12	12	12	12	12
28	BRAKE *NC*	19	19	19	19	19	19	19	19	19	19	19	19	-	19	19	19	19	19	19	19	19	19	19
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	11	11	11	11	11	11	11	11	11	11	11	11	2	11	11	11	11	11	11	11	11	11	11
33	COMMON ON	12	12	12	12	12	12	12	12	12	12	12	12	4	12	12	12	12	12	12	12	12	12	12
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	17	-	-	17	-
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	18	-	-	18	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	18	18	-	18	-	18	-	18	-	18	18	-	-	-	-	-	-	-	-	18	-	18
35	POTI "D"	-	17	17	-	17	-	17	-	17	-	17	17	-	-	-	-	-	-	-	-	17	-	17
36	POTI "C"	-	3	3	-	3	-	3	-	3	-	3	3	-	-	-	-	-	-	-	-	3	-	3
37	POTI "B"	-	2	2	-	2	-	2	-	2	-	2	2	-	-	-	-	-	-	-	-	2	-	2
CABLE-NO.: Compact-V_D_R20_17		24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
CODE 1 : ;1;-;-;-;-;-;-;-; Note:																								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1

CONNECTING DIAGRAM

POTAIN

Crane Type / Drawing No.:

Wire No.	Function:	HD 25 Pin No.	HD 26A Pin No.	HD 30 Pin No.	HD 32A Pin No.	HD 32B Pin No.	HD 36A Pin No.	HD 40 Pin No.	MC 65A Pin No.	MC 68B Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	11	11	11	11	11	11	11														
2	COMMON EMERGENCY STOP	12	12	12	12	12	1	12	12	12														
3	EMERGENCY STOP	1	1	1	1	1	12	1	1	1														
4	COMMON TURN	18	12	18	12	18	18	12	12	12														
5	TURN RIGHT 1-4	2	22	2	22	2	2	22	22	22														
6	TURN LEFT 1-4	3	22	3	22	3	3	22	23	23														
7	TURN R / L 4-2 / 2-4	17	-	17	-	17	17	-	-	-														
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-														
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	24														
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-														
11	COM. HOIST ST1; TROLLEY	12	12	12	12	12	12	12	12	12														
12	LOWER 1-3	9	9	9	9	9	9	9	9	9														
13	LIFT 1-3-3	10	10	10	10	10	10	10	10	10														
14	TROLLEY FORWARD 1-3	6	6	6	6	6	6	6	6	6														
15	TROLLEY BACKWARD 1-3	5	5	5	5	5	5	5	5	5														
16	TROLLEY FWD/BWD 3-2 / 2-3	15	15	15	15	15	15	15	15	15														
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	12	12	12	12	12	12	12	12	12														
18	TRAVEL LEFT	8	8	8	8	7	7	8	8	8														
19	TRAVEL RIGHT	7	7	7	7	7	7	7	7	7														
20	LIFT / LOWER 3-2 / 2-3	14	14	14	14	14	14	14	14	14														
21	COMMON HORN; BYPASS	12	12	12	12	12	12	12	12	12														
22	LIFT / LOWER 3 / 3	4	4	4	4	4	4	4	4	4														
23	TROLLEY FWD/BWD 3 / 3	16	16	16	16	16	-	16	-	-														
24	HORN *NC*	-	-	-	-	-	-	-	-	-														
25	HORN *NO*	13	13	13	13	13	13	13	13	13														
26	BYPASS	-	-	-	-	-	-	-	-	-														
27	COMMON BRAKE; ON/OFF	12	12	12	12	12	12	12	12	12														
28	BRAKE *NC*	19	19	19	19	19	-	19	20	20														
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-														
30	OFF *NO*	-	-	-	-	-	-	-	-	-														
31	OFF *NC*	-	-	-	-	-	-	-	-	-														
32	ON	11	11	11	11	11	11	11	11	11														
33	COMMON ON	12	12	12	12	12	12	12	12	12														
38	COMMON TURN	-	-	-	-	-	-	-	-	-														
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-														
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-														
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-														
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-														
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-														
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-														
							-																	
34	POTI "A"	-	18	-	18	-	-	18	18	18														
35	POTI "D"	-	17	-	17	-	-	17	17	17														
36	POTI "C"	-	3	-	3	-	-	3	3	3														
37	POTI "B"	-	2	-	2	-	-	2	2	2														
CABLE-NO.: Compact-V_D_R20_17		47	48	49	50	51	52	53	54	55														

CODE 1 : ;1;-;-;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1 CONNECTING DIAGRAM **CADILLON**		Crane Type / Drawing No.:																						
		720S	820S	921	930	1016	1020	1021	1026	1090	1096	1098	1330	14.30	18.16	20.17	20.34	22.20	22.34	22.36	24.26	24.36	25.40	27.20
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	3	3	3	3	3	3	3	3	3	3	3	11	11	1	3	1	3	1	1	1	1	1	1
2	COMMON EMERGENCY STOP	2	2	2	2	2	2	2	2	2	2	2	12	12	2	2	2	2	2	2	2	2	2	2
3	EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	1	3	3	3	3	3	3
4	COMMON TURN	2	2	2	2	2	2	2	2	2	2	2	12	12	2	2	2	2	2	2	2	2	2	2
5	TURN RIGHT 1-4	6	6	7	6	7	7	7	7	7	7	6	2	2	13	7	13	7	13	13	13	13	13	12
6	TURN LEFT 1-4	7	7	6	7	6	6	6	6	6	6	7	3	3	12	6	12	6	12	12	12	12	12	13
7	TURN R / L 4-2 / 2-4	-	18	-	18	-	-	-	-	-	-	18	18	-	-	-	14	18	14	14	14	14	14	-
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	24	24	24	24	24	19	24	19	24	19	19	19	19	19	24
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	COM. HOIST ST1; TROLLEY	2	2	2	2	2	2	2	2	2	2	2	12	12	2	2	2	2	2	2	2	2	2	2
12	LOWER 1-3	12	12	12	12	12	12	12	12	12	12	12	9	9	6	12	6	12	6	6	6	6	6	6
13	LIFT 1-3-3	4	4	4	4	4	4	4	4	4	4	4	10	10	5	4	5	4	5	5	5	5	5	5
14	TROLLEY FORWARD 1-3	9	9	9	9	9	9	9	9	9	9	9	6	6	9	9	9	9	9	9	9	9	9	9
15	TROLLEY BACKWARD 1-3	8	8	8	8	8	8	8	8	8	8	8	5	5	10	8	10	8	10	10	10	10	10	10
16	TROLLEY FWD/BWD 3-2 / 2-3	-	16	-	16	-	-	-	-	-	-	16	17	-	-	-	11	16	-	-	-	-	11	-
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	2	2	2	2	2	2	2	2	2	2	2	12	12	2	2	2	2	2	2	2	2	2	2
18	TRAVEL LEFT	10	10	10	10	10	10	10	10	10	10	10	7	7	-	10	-	10	18	18	18	18	18	18
19	TRAVEL RIGHT	11	11	11	11	11	11	11	11	11	11	11	8	8	-	11	-	11	17	17	17	17	17	17
20	LIFT / LOWER 3-2 / 2-3	13	13	13	13	13	13	13	13	13	13	13	14	4	7	13	7	13	7	7	7	7	7	7
21	COMMON HORN; BYPASS	2	2	2	2	2	2	2	2	2	2	2	12	12	2	2	2	2	2	2	2	2	2	2
22	LIFT / LOWER 3 / 3	-	14	14	14	14	14	14	14	14	14	14	4	-	-	-	8	14	8	8	8	8	8	8
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	HORN *NO*	5	5	5	5	5	5	5	5	5	5	5	13	13	4	5	4	5	4	4	4	4	4	4
26	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COMMON BRAKE; ON/OFF	2	2	2	2	15	15	15	15	15	15	2	12	19	-	2	2	2	2	2	2	2	2	2
28	BRAKE *NC*	14	15	16	15	16	16	16	16	16	16	15	19	18	-	14	16	15	16	16	16	16	15	16
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	3	3	3	3	3	3	3	3	3	3	3	11	11	1	3	1	3	1	1	1	1	1	1
33	COMMON ON	2	2	2	2	2	2	2	2	2	2	2	12	12	2	2	2	2	2	2	2	2	2	2
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CABLE-NO.: Compact-V_D_R20_3		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 1 : ;1;-;-;-;-;-;-;-;																								
Note:																								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1 CONNECTING DIAGRAM **CADILLON**		Crane Type / Drawing No.:																						
									chrono	chrono	chrono flash	chrono	chrono	chrono flash	chrono	chrono flash	chrono flash	chrono	chrono flash	chrono	chrono	chrono	chrono	chrono
		28.40	30.40	33.26	33.40	35.20	35.26	40.33	13	20_1	20_2	22_1	22_2	25	28_1	28_2	30	33	35	36	40	25A	30A	40A
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	3	1	3	3	1	3	1	11	1	1	11	1	11	11	1	1	1	1	1	1	1
2	COMMON EMERGENCY STOP	2	2	2	2	2	2	2	4	2	12	2	2	12	2	12	12	2	2	2	2	2	2	2
3	EMERGENCY STOP	3	3	1	3	1	1	3	5	3	1	3	3	1	3	1	1	3	3	3	3	3	3	3
4	COMMON TURN	2	2	2	2	2	2	2	4	2	12	2	2	12	2	12	12	2	2	2	2	2	2	2
5	TURN RIGHT 1-4	12	13	6	12	6	6	13	22	13	2	13	13	2	13	2	2	13	13	13	13	13	13	13
6	TURN LEFT 1-4	13	12	7	13	7	7	12	23	12	3	12	11	3	12	3	3	12	12	12	12	12	12	12
7	TURN R / L 4-2 / 2-4	14	14	18	14	18	18	14	-	-	18	14	14	18	14	18	18	14	14	14	14	14	14	14
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	15	15	15	15	-	-	15
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	19	24	11	19	24	19	24	24	19	20	20	20	19	19	20
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	COM. HOIST ST1; TROLLEY	2	2	2	2	2	2	2	4	2	12	2	2	12	2	12	12	2	2	2	2	2	2	2
12	LOWER 1-3	6	6	12	6	12	12	6	13	6	9	6	6	9	6	9	9	6	6	6	6	6	6	6
13	LIFT 1-3-3	5	5	4	5	4	4	5	8	5	10	5	5	10	5	10	10	5	5	5	5	5	5	5
14	TROLLEY FORWARD 1-3	9	9	9	9	9	9	9	16	9	6	9	9	6	9	6	6	9	9	9	9	9	9	9
15	TROLLEY BACKWARD 1-3	10	10	8	10	8	8	10	19	10	5	10	10	5	10	5	5	10	10	10	10	10	10	10
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	16	-	16	16	11	-	-	15	-	-	15	11	15	15	11	11	11	11	11	11	11
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	2	2	2	2	2	2	2	4	2	12	2	2	12	2	12	12	2	2	2	2	2	2	2
18	TRAVEL LEFT	17	17	11	17	11	11	17	-	-	-	-	-	-	17	8	8	17	18	17	18	17	17	18
19	TRAVEL RIGHT	18	18	10	18	10	10	18	-	-	-	-	-	-	18	7	7	18	19	18	19	18	18	19
20	LIFT / LOWER 3-2 / 2-3	7	7	13	7	13	13	7	-	7	14	7	7	14	7	14	14	7	7	7	7	7	7	7
21	COMMON HORN; BYPASS	2	2	2	2	2	2	2	4	2	12	2	2	12	2	12	12	2	2	2	2	2	2	2
22	LIFT / LOWER 3 / 3	8	8	14	8	14	14	8	-	-	4	8	18	4	8	4	4	8	8	8	8	8	8	8
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	HORN *NO*	4	4	5	4	5	5	4	7	4	13	4	8	13	4	13	13	4	4	4	4	4	4	4
26	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COMMON BRAKE; ON/OFF	2	2	2	2	2	2	2	-	-	12	2	2	12	2	12	12	2	-	2	-	2	2	-
28	BRAKE *NC*	16	16	15	16	15	15	16	-	-	19	15	15	19	15	19	19	16	-	16	-	15	15	-
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	1	1	3	1	3	3	1	4	1	11	1	1	11	1	11	11	1	1	1	1	1	1	1
33	COMMON ON	2	2	2	2	2	2	2	4	2	12	2	2	12	2	12	12	2	2	2	2	2	2	2
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CABLE-NO.: Compact-V_D_R20_3		24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
CODE 1 : ;1;-;-;-;-;-;-;-;																								
Note:																								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1 CONNECTING DIAGRAM **CADILLON**		Crane Type / Drawing No.:																						
		chrono	chrono																					
		40S	C45																					
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1																					
2	COMMON EMERGENCY STOP	2	2																					
3	EMERGENCY STOP	3	3																					
4	COMMON TURN	2	2																					
5	TURN RIGHT 1-4	13	13																					
6	TURN LEFT 1-4	12	12																					
7	TURN R / L 4-2 / 2-4	14	14																					
8	TURN R / L 4-3 / 3-4	15	15																					
9	POWER SUPPLY N. AC	20	20																					
10	TURN R / L 4 / 4	-	-																					
11	COM. HOIST ST1; TROLLEY	2	2																					
12	LOWER 1-3	6	6																					
13	LIFT 1-3-3	5	5																					
14	TROLLEY FORWARD 1-3	9	9																					
15	TROLLEY BACKWARD 1-3	10	10																					
16	TROLLEY FWD/BWD 3-2 / 2-3	11	11																					
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	2	2																					
18	TRAVEL LEFT	18	18																					
19	TRAVEL RIGHT	19	19																					
20	LIFT / LOWER 3-2 / 2-3	7	7																					
21	COMMON HORN; BYPASS	2	2																					
22	LIFT / LOWER 3 / 3	8	8																					
23	TROLLEY FWD/BWD 3 / 3	-	-																					
24	HORN *NC*	-	-																					
25	HORN *NO*	4	4																					
26	BYPASS	-	-																					
27	COMMON BRAKE; ON/OFF	-	-																					
28	BRAKE *NC*	-	-																					
29	BRAKE *NO*	-	-																					
30	OFF *NO*	-	-																					
31	OFF *NC*	-	-																					
32	ON	1	1																					
33	COMMON ON	2	2																					
38	COMMON TURN	-	-																					
39	TURN LEFT 1-4	-	-																					
40	TURN RIGHT 1-4	-	-																					
41	COMMON TURN ST.2; 3; 4	-	-																					
42	TURN R / L 4-2 / 2-4	-	-																					
43	TURN R / L 4-3 / 3-4	-	-																					
44	TURN R / L 4 / 4	-	-																					
34	POTI "A"	-	-																					
35	POTI "D"	-	-																					
36	POTI "C"	-	-																					
37	POTI "B"	-	-																					
CABLE-NO.: Compact-V_D_R20_3		47	48																					
CODE 1 : ;1;-;-;-;-;-;-;-;																								
Note:																								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
KÖNIG

Wire No.	Function:	K12F_1	K12F_2	K12S	K15S	K16F_1	K16F_2	K18AS	K20F_1	K20F_2	K21F	K24_1	K24_2	K24_3	K24_4	K25	K28_1	K28_2	K28_3	K28_4	K28_5	K28S_1	K28S_2	K28S_3
		Crane Type / Drawing No.:																						
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	3	2	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1
2	COMMON EMERGENCY STOP	1	1	2	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
3	EMERGENCY STOP	4	3	1	5	3	5	5	3	3	5	3	3	3	3	5	5	3	3	3	3	3	3	3
4	COMMON TURN	3	4	1	5	4	5	5	3	3	5	3	17	3	3	5	5	3	17	3	3	3	3	3
5	TURN RIGHT 1-4	9	9	7	15	9	15	15	9	9	10	9	9	9	9	10	10	9	9	9	9	9	9	9
6	TURN LEFT 1-4	10	10	6	16	10	16	16	10	10	11	10	10	10	10	11	11	10	10	10	10	10	10	10
7	TURN R / L 4-2 / 2-4	-	11	-	17	11	17	17	11	-	-	-	-	11	14	-	-	-	-	-	-	11	-	-
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	COM. HOIST ST1; TROLLEY	3	4	1	5	4	5	5	3	3	5	3	3	3	3	5	5	3	3	3	3	3	3	3
12	LOWER 1-3	6	6	5	7	6	7	7	6	6	7	6	6	6	6	7	7	6	6	6	6	6	6	6
13	LIFT 1-3-3	5	5	4	6	5	6	6	5	5	6	5	5	5	5	6	6	5	5	5	5	5	5	5
14	TROLLEY FORWARD 1-3	12	12	8	13	12	13	13	12	12	13	12	12	12	12	13	13	12	12	12	12	12	12	12
15	TROLLEY BACKWARD 1-3	13	13	10	14	13	14	14	13	13	14	13	13	13	13	14	14	13	13	13	13	13	13	12
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	16	16	-	-	16	16
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	3	4	1	5	4	5	5	3	3	5	3	3	3	3	5	5	3	3	3	3	3	3	3
18	TRAVEL LEFT	-	16	-	11	16	11	11	-	-	16	-	18	-	-	16	16	-	18	-	-	-	-	-
19	TRAVEL RIGHT	-	15	-	10	15	10	10	-	-	15	-	19	-	-	15	15	-	19	-	-	-	-	-
20	LIFT / LOWER 3-2 / 2-3	7	7	12	8	7	8	8	7	7	8	7	7	7	7	8	8	7	7	7	7	7	7	7
21	COMMON HORN; BYPASS	3	4	1	5	4	5	5	3	3	5	3	3	3	3	5	5	3	3	3	3	3	3	3
22	LIFT / LOWER 3 / 3	-	-	-	9	-	9	9	8	-	9	8	8	8	8	9	9	8	8	8	8	8	8	8
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	HORN *NO*	2	2	11	3	2	3	3	2	2	3	2	2	2	2	3	3	2	2	2	2	2	2	2
26	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COMMON BRAKE; ON/OFF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	BRAKE *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	3	4	3	2	4	2	2	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1
33	COMMON ON	4	3	1	5	3	5	5	3	3	5	3	3	3	3	5	5	3	3	3	3	3	3	3
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	17	-	15	-	15	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	15	-	14	-	11	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	11	-	19	-	14	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	17	-	19	-	15	-
CABLE-NO.: Compact-V_D_R20_12		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 1 : ;1;-;-;-;-;-;-;-;																								
	Note:																							

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
KÖNIG

Crane Type / Drawing No.:

Wire No.	Function:	K28S(F) Pin No.	K34_1 Pin No.	K34_2 Pin No.	K34_3 Pin No.	K34S Pin No.	K34S-2_1 Pin No.	K34S-2_2 Pin No.	K37 Pin No.	K45 Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1	1	1	1	1	1														
2	COMMON EMERGENCY STOP	4	4	4	4	4	3	3	3	3														
3	EMERGENCY STOP	3	3	3	3	3	4	4	4	4														
4	COMMON TURN	3	3	17	3	3	3	17	3	17														
5	TURN RIGHT 1-4	9	9	9	9	9	9	9	9	9														
6	TURN LEFT 1-4	10	10	10	10	10	10	10	10	10														
7	TURN R / L 4-2 / 2-4	14	-	-	-	11	-	-	11	-														
8	TURN R / L 4-3 / 3-4	15	-	-	-	-	-	-	-	-														
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24	24	24														
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-														
11	COM. HOIST ST1; TROLLEY	3	3	3	3	3	3	3	3	3														
12	LOWER 1-3	6	6	6	6	6	6	6	6	6														
13	LIFT 1-3-3	5	5	5	5	5	5	5	5	5														
14	TROLLEY FORWARD 1-3	12	12	12	12	12	12	12	14	12														
15	TROLLEY BACKWARD 1-3	12	13	13	12	13	13	13	15	13														
16	TROLLEY FWD/BWD 3-2 / 2-3	16	-	16	16	-	16	16	16	16														
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	3	3	3	3	3	3	3	3	3														
18	TRAVEL LEFT	-	-	18	-	-	-	18	18	18														
19	TRAVEL RIGHT	-	-	19	-	-	-	19	17	19														
20	LIFT / LOWER 3-2 / 2-3	7	7	7	7	7	7	7	7	7														
21	COMMON HORN; BYPASS	3	3	3	3	3	3	3	3	3														
22	LIFT / LOWER 3 / 3	8	8	8	8	8	8	8	8	8														
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	-														
24	HORN *NC*	-	-	-	-	-	-	-	-	-														
25	HORN *NO*	2	2	2	2	2	2	2	2	2														
26	BYPASS	-	-	-	-	-	-	-	-	-														
27	COMMON BRAKE; ON/OFF	-	-	-	-	-	15	-	-	-														
28	BRAKE *NC*	-	-	-	-	-	14	-	-	-														
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-														
30	OFF *NO*	-	-	-	-	-	-	-	-	-														
31	OFF *NC*	-	-	-	-	-	-	-	-	-														
32	ON	1	1	1	1	1	1	1	1	1														
33	COMMON ON	3	3	3	3	3	3	3	3	3														
38	COMMON TURN	-	-	-	-	-	-	-	-	-														
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-														
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-														
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-														
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-														
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-														
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-														
34	POTI "A"	-	-	17	-	-	-	17	-	17														
35	POTI "D"	-	-	15	-	-	-	15	-	15														
36	POTI "C"	-	-	11	-	-	-	11	-	11														
37	POTI "B"	-	-	17	-	-	-	14	-	14														
CABLE-NO.: Compact-V_D_R20_12		24	25	26	27	28	29	30	31	32														
CODE 1 : ;1;-;-;-;-;-;-;-;-; Note:																								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
PKZ

Wire No.	Function:	2008_1	2010	2010/2_1	2011_1	2510_1	3010_1	3012_1	3210_1	3212_1	3512_1	3610_1	3810_1	4010_1	4112_1	204I 204II 4112_2	WOLF 4010M_1	Type I HTK 2210_1	Type II HTK 2210_2	Type III HTK 2210_3	T20_1			
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	COMMON EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	EMERGENCY STOP	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	6			
4	COMMON TURN	4	3	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	-			
5	TURN RIGHT 1-4	13	12	12	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13			
6	TURN LEFT 1-4	12	11	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14			
7	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	16	14	-	-	16	16	-	-			
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	17	15	-	-	-	-	-	-			
9	POWER SUPPLY N. AC	16	16	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	4			
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	COMMON HOIST ST.1; TROLLEY	4	3	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	2			
12	LOWER 1-3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	16			
13	LIFT 1-3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	15			
14	TROLLEY FORWARD 1-3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	11			
15	TROLLEY BACKWARD 1-3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	12			
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	18	18	18	18	18	18	18	18	18	11	18	18	18	18	18	-			
17	COMMON TRAVEL; HOIST ST.2, 3; TROLLEY ST.3	4	3	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	2			
18	TRAVEL LEFT	15	-	18	-	20	20	20	20	16	16	20	20	15	19	21	20	-	-	-	-			
19	TRAVEL RIGHT	14	-	17	-	19	19	19	19	15	15	19	19	14	18	20	19	-	-	-	-			
20	LIFT / LOWER 3-2 / 2-3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	17			
21	COMMON HORN; BYPASS	4	3	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	2			
22	LIFT / LOWER 3 / 3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	18			
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
25	HORN *NO*	11	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
26	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
27	COMMON BRAKE; OFF	-	-	3	-	17	17	17	17	17	17	17	17	11	17	17	17	-	-	-	2			
28	BRAKE *NC*	-	-	11	-	11	11	11	11	11	11	11	11	19	16	11	11	-	-	-	-			
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8			
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
32	ON	3	3	3	11	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	-			
33	COMMON ON	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-			
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
34	POTI "A"	-	14	14	-	14	14	14	14	14	14	14	14	-	-	14	14	-	-	14	-			
35	POTI "D"	-	-	15	-	15	15	15	15	15	15	15	15	-	-	15	15	-	-	15	-			
36	POTI "C"	-	13	16	-	16	16	16	16	16	16	16	16	-	-	16	16	-	-	16	-			
37	POTI "B"	-	13	16	-	16	16	16	16	16	16	16	16	-	-	16	16	-	-	16	-			
CABLE-NO.: Compact-V_D_R20_16		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 1 : ;1;-;-;-;-;-;-;-;																								
Note:																								

Crane Type / Drawing No.:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
ARCOMET

Crane Type / Drawing No.:

Wire No.	Function:	T24_1	T24_2	T25A_1	T30_1	T30_2	T33A_1	T33A_2	T33A_3	CT25A_1	VK 16_1	VK 20_1	VK 26_1	VK 30A1_1	VK 30A2_1	ARCO 14_1	ARCO 16_2	ARCO 18_1	ARCO 20S_1	ARCO 25S_1	A32_1	A36_1	A40_1	A42_1
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	3	3	3	3	3	3	3	3	3	3	3	3	3	3	11	11	11	1	1	3	3	3	3
2	COMMON EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	11	11	1	1	1	1	1	1
3	EMERGENCY STOP	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
4	COMMON TURN; TROLLEY	2	14	2	2	14	2	14	2	2	2	14	14	14	14	2	2	2	3	3	2	2	2	2
5	TURN RIGHT 1-4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	12	12	12	8	8	7	7	7	7
6	TURN LEFT 1-4	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	9	9	6	6	6	6
7	TURN R / L 4-2 / 2-4	-	24	24	-	24	-	24	24	24	-	-	-	-	-	-	-	-	-	16	19	19	19	19
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	21	21	21
9	POWER SUPPLY N. AC	23	23	23	23	23	23	23	23	23	23	23	23	23	23	15	15	15	6	6	23	23	23	23
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	COMMON. HOIST ST.1; TROLLEY	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
12	LOWER 1-3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	9	5	5	12	12	12	12
13	LIFT 1-3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	4	4	4	4	4	4
14	TROLLEY FORWARD 1-3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	9	9	9	9
15	TROLLEY BACKWARD 1-3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	17	17	17	12	12	8	8	8	8
16	TROLLEY FWD/BWD 3-2 / 2-3	14	-	14	14	-	14	-	14	14	14	-	-	-	18	-	-	-	-	-	14	14	14	14
17	COM. TRAVEL; HOIST ST.2, 3; TROLLEY ST.3	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
18	TRAVEL LEFFT	11	11	11	11	11	11	11	11	11	11	11	11	11	11	-	-	-	-	-	11	-	-	-
19	TRAVEL RIGHT	10	10	10	10	10	10	10	10	10	10	10	10	10	10	-	-	-	-	-	10	-	-	-
20	LIFT / LOWER 3-2 / 2-3	13	13	13	13	13	13	13	13	13	13	13	13	13	13	5	5	5	11	11	13	13	13	13
21	COMMON HORN; TELESCOPE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	13	13	5	5	5	5
22	LIFT / LOWER 3 / 3	20	20	20	20	20	20	20	20	20	20	20	20	20	20	-	-	-	14	14	20	20	20	20
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	HORN *NC*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	-	-	-	-	-	15	15	15	15
25	HORN *NO*	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
26	TELESCOPE	18	18	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COMMON BRAKE; OFF	17	17	17	17	17	17	17	17	17	17	17	17	17	17	-	-	-	-	-	16	17	17	17
28	BRAKE *NC*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	-	-	-	-	-	17	16	16	16
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	OFF *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	OFF *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	2	2	3	3	3	3
33	COMMON ON	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CABLE-NO.:Compact-V_D_R20_1		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
COMANSA

Wire No.	Function:	Crane Type / Drawing No.: HT 24	HT 28	HT 30	HT 35	HT 31100				
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1	1				
2	COMMON EMERGENCY STOP	1	1	1	1	1				
3	EMERGENCY STOP	2	2	2	2	2				
4	COMMON TURN	5	5	5	5	5				
5	TURN RIGHT 1-4	15	15	15	15	15				
6	TURN LEFT 1-4	16	16	16	16	16				
7	TURN R / L 4-2 / 2-4	17	17	17	17	17				
8	TURN R / L 4-3 / 3-4	18	18	18	18	18				
9	POWER SUPPLY N. AC	23	23	23	23	22				
10	TURN R / L 4 / 4	-	-	-	-	-				
11	COM. HOIST ST1; TROLLEY	5	5	5	5	5				
12	LOWER 1-3	7	7	7	7	7				
13	LIFT 1-3-3	6	6	6	6	6				
14	TROLLEY FORWARD 1-3	11	11	11	11	11				
15	TROLLEY BACKWARD 1-3	12	12	12	12	12				
16	TROLLEY FWD/BWD 3-2 / 2-3	13	13	13	13	-				
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	5	5	5	5	5				
18	TRAVEL LEFT	-	-	-	-	20				
19	TRAVEL RIGHT	-	-	-	-	19				
20	LIFT / LOWER 3-2 / 2-3	8	8	8	8	8				
21	COMMON HORN; BYPASS	5	5	5	5	5				
22	LIFT / LOWER 3 / 3	9	9	9	9	9				
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-				
24	HORN *NC*	-	-	-	-	-				
25	HORN *NO*	3	3	3	3	3				
26	BYPASS	-	-	-	-	-				
27	COMMON BRAKE; ON/OFF	23	23	23	23	23				
28	BRAKE *NC*	22	22	22	22	22				
29	BRAKE *NO*	-	-	-	-	-				
30	OFF *NO*	-	-	-	-	-				
31	OFF *NC*	-	-	-	-	-				
32	ON	4	4	4	4	4				
33	COMMON ON	2	2	2	2	2				
38	COMMON TURN	-	-	-	-	-				
39	TURN LEFT 1-4	-	-	-	-	-				
40	TURN RIGHT 1-4	-	-	-	-	-				
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-				
42	TURN R / L 4-2 / 2-4	-	-	-	-	-				
43	TURN R / L 4-3 / 3-4	-	-	-	-	-				
44	TURN R / L 4 / 4	-	-	-	-	-				
34	POTI "A"	-	-	-	-	-				
35	POTI "D"	-	-	-	-	-				
36	POTI "C"	-	-	-	-	-				
37	POTI "B"	-	-	-	-	-				
CABLE-NO.: Compact-V_D_R20_4		01	02	03	04	05	06	07	08	09

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

CODE 1
CONNECTING DIAGRAM
TECNO-LIFT

Wire No.	Function:	Crane Type / Drawing No.: 22500	22700	20-500 25700	24750					
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1					
2	COMMON EMERGENCY STOP	1	1	1	1					
3	EMERGENCY STOP	2	2	2	2					
4	COMMON TURN	3	3	3	3					
5	TURN RIGHT 1-4	10	10	10	10					
6	TURN LEFT 1-4	9	9	9	9					
7	TURN R / L 4-2 / 2-4	11	11	11	11					
8	TURN R / L 4-3 / 3-4	-	-	12	12					
9	POWER SUPPLY N. AC	16	16	16	16					
10	TURN R / L 4 / 4	-	-	-	-					
11	COM. HOIST ST1; TROLLEY	3	3	3	3					
12	LOWER 1-3	6	6	6	6					
13	LIFT 1-3-3	5	5	5	5					
14	TROLLEY FORWARD 1-3	13	13	13	13					
15	TROLLEY BACKWARD 1-3	14	14	14	14					
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	15					
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	3	3	3	3					
18	TRAVEL LEFT	-	-	-	-					
19	TRAVEL RIGHT	-	-	-	-					
20	LIFT / LOWER 3-2 / 2-3	7	7	7	7					
21	COMMON HORN; BYPASS	-	-	-	-					
22	LIFT / LOWER 3 / 3	-	8	8	8					
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-					
24	HORN *NC*	-	-	-	-					
25	HORN *NO*	-	-	-	-					
26	BYPASS	-	-	-	-					
27	COMMON BRAKE; ON/OFF	-	-	-	-					
28	BRAKE *NC*	-	-	-	-					
29	BRAKE *NO*	-	-	-	-					
30	OFF *NO*	-	-	-	-					
31	OFF *NC*	-	-	-	-					
32	ON	3	3	3	3					
33	COMMON ON	2	2	2	2					
38	COMMON TURN	-	-	-	-					
39	TURN LEFT 1-4	-	-	-	-					
40	TURN RIGHT 1-4	-	-	-	-					
41	COMMON TURN ST.2; 3; 4	-	-	-	-					
42	TURN R / L 4-2 / 2-4	-	-	-	-					
43	TURN R / L 4-3 / 3-4	-	-	-	-					
44	TURN R / L 4 / 4	-	-	-	-					
34	POTI "A"	-	-	-	-					
35	POTI "D"	-	-	-	-					
36	POTI "C"	-	-	-	-					
37	POTI "B"	-	-	-	-					
CABLE-NO.: Compact-V_D_R20_19		01	02	03	04	05	06	07	08	09

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
GRUCOMMEDIL

Wire No.	Function:	CBR 23	CBR 25	CBR 30	CBR 32	GTS 421	GTS 451	GTS 511		
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	3	1	1	1	2	2	2		
2	COMMON EMERGENCY STOP	3	1	1	1	2	2	2		
3	EMERGENCY STOP	1	2	2	2	4	4	4		
4	COMMON TURN	2	5	5	5	Z*	6	6		
5	TURN RIGHT 1-4	7	12	12	12	9	9	9		
6	TURN LEFT 1-4	6	13	13	13	10	10	10		
7	TURN R / L 4-2 / 2-4	12	14	14	14	11	11	11		
8	TURN R / L 4-3 / 3-4	-	15	15	15	12	12	12		
9	POWER SUPPLY N. AC	24	24	24	24	24	24	24		
10	TURN R / L 4 / 4	-	-	-	-	-	-	-		
11	COM. HOIST ST1; TROLLEY	2	5	5	5	6	6	6		
12	LOWER 1-3	5	9	9	9	17	17	17		
13	LIFT 1-3-3	4	8	8	8	16	16	16		
14	TROLLEY FORWARD 1-3	8	16	16	16	13	13	13		
15	TROLLEY BACKWARD 1-3	9	17	17	17	14	14	14		
16	TROLLEY FWD/BWD 3-2 / 2-3	-	18	18	18	15	15	15		
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	-	5	5	5	6	6	6		
18	TRAVEL LEFT	-	6	6	6	8	8	8		
19	TRAVEL RIGHT	-	7	7	7	7	7	7		
20	LIFT / LOWER 3-2 / 2-3	11	10	10	10	18	18	18		
21	COMMON HORN; BYPASS	2	5	5	5	6	6	6		
22	LIFT / LOWER 3 / 3	-	11	11	11	19	19	19		
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	22	22		
24	HORN *NC*	-	-	-	-	-	-	-		
25	HORN *NO*	10	4	4	4	3	3	3		
26	BYPASS	-	-	-	-	-	-	-		
27	COMMON BRAKE; ON/OFF	-	-	-	-	4	-	-		
28	BRAKE *NC*	-	-	-	-	Z*	-	-		
29	BRAKE *NO*	-	-	-	-	12	-	-		
30	OFF *NO*	-	-	-	-	-	-	-		
31	OFF *NC*	-	-	-	-	-	-	-		
32	ON	2	3	3	3	5	5	5		
33	COMMON ON	1	2	2	2	4	4	4		
38	COMMON TURN	-	-	-	-	-	-	-		
39	TURN LEFT 1-4	-	-	-	-	-	-	-		
40	TURN RIGHT 1-4	-	-	-	-	-	-	-		
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-		
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-		
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-		
44	TURN R / L 4 / 4	-	-	-	-	-	-	-		
34	POTI "A"	-	-	-	-	-	-	-		
35	POTI "D"	-	-	-	-	-	-	-		
36	POTI "C"	-	-	-	-	-	-	-		
37	POTI "B"	-	-	-	-	-	-	-		
CABLE-NO.: Compact-V_D_R20_9		01	02	03	04	05	06	07	08	09

CODE 1 : ;1;-;-;-;-;-;-;-;

Note: Z * - connect wires and insulate.

CODE 1
CONNECTING DIAGRAM
HYDRA ASCO-LIFT

Wire No.	Function:	Bena-zzato 191	Hydra Ascolift 193	Hydra Ascolift 186B2	Hydra Ascolift A116					
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	1	1	2					
2	COMMON EMERGENCY STOP	2	1	1	2					
3	EMERGENCY STOP	4	2	2	4					
4	COMMON TURN	3	3	3	3					
5	TURN RIGHT 1-4	8	10	10	8					
6	TURN LEFT 1-4	7	9	9	7					
7	TURN R / L 4-2 / 2-4	-	-	-	-					
8	TURN R / L 4-3 / 3-4	-	-	-	-					
9	POWER SUPPLY N. AC	16	16	16	15					
10	TURN R / L 4 / 4	-	-	-	-					
11	COM. HOIST ST1; TROLLEY	3	3	3	3					
12	LOWER 1-3	6	6	6	6					
13	LIFT 1-3-3	5	5	5	5					
14	TROLLEY FORWARD 1-3	9	13	13	9					
15	TROLLEY BACKWARD 1-3	10	14	14	10					
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-					
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	3	3	3	3					
18	TRAVEL LEFT	-	-	-	-					
19	TRAVEL RIGHT	-	-	-	-					
20	LIFT / LOWER 3-2 / 2-3	1	7	7	1					
21	COMMON HORN; BYPASS	3	3	3	3					
22	LIFT / LOWER 3 / 3	-	-	-	-					
23	TROLLEY FWD/BWD 3 / 3	-	-	-	-					
24	HORN *NC*	-	-	-	-					
25	HORN *NO*	12	4	4	12					
26	BYPASS	-	-	-	-					
27	COMMON BRAKE; ON/OFF	-	-	-	-					
28	BRAKE *NC*	-	-	-	-					
29	BRAKE *NO*	-	-	-	-					
30	OFF *NO*	-	-	-	-					
31	OFF *NC*	-	-	-	-					
32	ON	3	3	3	3					
33	COMMON ON	4	2	2	4					
38	COMMON TURN	-	-	-	-					
39	TURN LEFT 1-4	-	-	-	-					
40	TURN RIGHT 1-4	-	-	-	-					
41	COMMON TURN ST.2; 3; 4	-	-	-	-					
42	TURN R / L 4-2 / 2-4	-	-	-	-					
43	TURN R / L 4-3 / 3-4	-	-	-	-					
44	TURN R / L 4 / 4	-	-	-	-					
34	POTI "A"	-	-	-	-					
35	POTI "D"	-	-	-	-					
36	POTI "C"	-	-	-	-					
37	POTI "B"	-	-	-	-					
CABLE-NO.: Compact-V_D_R20_11		01	02	03	04	05	06	07	08	09

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
ASTOM

Wire No.	Function:	Crane Type / Drawing No.: 724	1025	
		Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	
2	COMMON EMERGENCY STOP	2	2	
3	EMERGENCY STOP	4	4	
4	COMMON TURN	4	4	
5	TURN RIGHT 1-4	8	8	
6	TURN LEFT 1-4	7	7	
7	TURN R / L 4-2 / 2-4	17	17	
8	TURN R / L 4-3 / 3-4	-	18	
9	POWER SUPPLY N. AC	24	24	
10	TURN R / L 4 / 4	-	-	
11	COM. HOIST ST1; TROLLEY	4	4	
12	LOWER 1-3	6	6	
13	LIFT 1-3-3	5	5	
14	TROLLEY FORWARD 1-3	9	9	
15	TROLLEY BACKWARD 1-3	10	10	
16	TROLLEY FWD/BWD 3-2 / 2-3	13	11	
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	4	4	
18	TRAVEL LEFT	-	-	
19	TRAVEL RIGHT	-	-	
20	LIFT / LOWER 3-2 / 2-3	1	1	
21	COMMON HORN; BYPASS	4	4	
22	LIFT / LOWER 3 / 3	-	14	
23	TROLLEY FWD/BWD 3 / 3	-	-	
24	HORN *NC*	-	-	
25	HORN *NO*	12	12	
26	BYPASS	-	-	
27	COMMON BRAKE; ON/OFF	-	-	
28	BRAKE *NC*	-	-	
29	BRAKE *NO*	-	-	
30	OFF *NO*	-	-	
31	OFF *NC*	-	-	
32	ON	3	3	
33	COMMON ON	4	4	
38	COMMON TURN	-	-	
39	TURN LEFT 1-4	-	-	
40	TURN RIGHT 1-4	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	
42	TURN R / L 4-2 / 2-4	-	-	
43	TURN R / L 4-3 / 3-4	-	-	
44	TURN R / L 4 / 4	-	-	
34	POTI "A"	-	-	
35	POTI "D"	-	-	
36	POTI "C"	-	-	
37	POTI "B"	-	-	
CABLE-NO.: Compact-V_D_R20_24		01	02	03
CODE 1 : ;1;-;-;-;-;-;-;-; Note:				

CODE 1
CONNECTING DIAGRAM
ASCOM

Wire No.	Function:	Crane Type / Drawing No.: 01		
		Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1		
2	COMMON EMERGENCY STOP	1		
3	EMERGENCY STOP	2		
4	COMMON TURN	3		
5	TURN RIGHT 1-4	9		
6	TURN LEFT 1-4	11		
7	TURN R / L 4-2 / 2-4	10		
8	TURN R / L 4-3 / 3-4	-		
9	POWER SUPPLY N. AC	24		
10	TURN R / L 4 / 4	-		
11	COM. HOIST ST1; TROLLEY	3		
12	LOWER 1-3	6		
13	LIFT 1-3-3	5		
14	TROLLEY FORWARD 1-3	13		
15	TROLLEY BACKWARD 1-3	14		
16	TROLLEY FWD/BWD 3-2 / 2-3	15		
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	3		
18	TRAVEL LEFT	-		
19	TRAVEL RIGHT	-		
20	LIFT / LOWER 3-2 / 2-3	7		
21	COMMON HORN; BYPASS	3		
22	LIFT / LOWER 3 / 3	6		
23	TROLLEY FWD/BWD 3 / 3	-		
24	HORN *NC*	-		
25	HORN *NO*	4		
26	BYPASS	-		
27	COMMON BRAKE; ON/OFF	-		
28	BRAKE *NC*	-		
29	BRAKE *NO*	-		
30	OFF *NO*	-		
31	OFF *NC*	-		
32	ON	3		
33	COMMON ON	2		
38	COMMON TURN	-		
39	TURN LEFT 1-4	-		
40	TURN RIGHT 1-4	-		
41	COMMON TURN ST.2; 3; 4	-		
42	TURN R / L 4-2 / 2-4	-		
43	TURN R / L 4-3 / 3-4	-		
44	TURN R / L 4 / 4	-		
34	POTI "A"	-		
35	POTI "D"	-		
36	POTI "C"	-		
37	POTI "B"	-		
CABLE-NO.:Compact-V_D_R20_25		01	02	03
CODE 1 : ;1;-;-;-;-;-;-;-; Note:				

CODE 1
CONNECTING DIAGRAM
AZO

Wire No.	Function:	Crane Type / Drawing No.: B20L		
		Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2		
2	COMMON EMERGENCY STOP	2		
3	EMERGENCY STOP	4		
4	COMMON TURN	2		
5	TURN RIGHT 1-4	9		
6	TURN LEFT 1-4	10		
7	TURN R / L 4-2 / 2-4	11		
8	TURN R / L 4-3 / 3-4	-		
9	POWER SUPPLY N. AC	24		
10	TURN R / L 4 / 4	-		
11	COM. HOIST ST1; TROLLEY	2		
12	LOWER 1-3	6		
13	LIFT 1-3-3	5		
14	TROLLEY FORWARD 1-3	12		
15	TROLLEY BACKWARD 1-3	13		
16	TROLLEY FWD/BWD 3-2 / 2-3	-		
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	2		
18	TRAVEL LEFT	16		
19	TRAVEL RIGHT	15		
20	LIFT / LOWER 3-2 / 2-3	7		
21	COMMON HORN; BYPASS	-		
22	LIFT / LOWER 3 / 3	8		
23	TROLLEY FWD/BWD 3 / 3	-		
24	HORN *NC*	-		
25	HORN *NO*	-		
26	BYPASS	-		
27	COMMON BRAKE; ON/OFF	-		
28	BRAKE *NC*	-		
29	BRAKE *NO*	-		
30	OFF *NO*	-		
31	OFF *NC*	-		
32	ON	1		
33	COMMON ON	4		
38	COMMON TURN	-		
39	TURN LEFT 1-4	-		
40	TURN RIGHT 1-4	-		
41	COMMON TURN ST.2; 3; 4	-		
42	TURN R / L 4-2 / 2-4	-		
43	TURN R / L 4-3 / 3-4	-		
44	TURN R / L 4 / 4	-		
34	POTI "A"	-		
35	POTI "D"	-		
36	POTI "C"	-		
37	POTI "B"	-		
CABLE-NO.: Compact-V_D_R20_26		01	02	23
CODE 1 : ;1;-;-;-;-;-;-;-; Note:				

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
EUROKRAN

Wire No.	Function:	Crane Type / Drawing No.: 2610 Pin No.	3010 Pin No.	C670/ 750 Pin No.
1	POWER SUPPLY PH. AC	2	2	2
2	COMMON EMERGENCY STOP	2	2	2
3	EMERGENCY STOP	4	4	4
4	COMMON TURN	1	1	8
5	TURN RIGHT 1-4	9	9	10
6	TURN LEFT 1-4	10	10	9
7	TURN R / L 4-2 / 2-4	11	11	-
8	TURN R / L 4-3 / 3-4	17	17	-
9	POWER SUPPLY N. AC	24	24	24
10	TURN R / L 4 / 4	-	-	-
11	COM. HOIST ST1; TROLLEY	1	1	8
12	LOWER 1-3	6	6	6
13	LIFT 1-3-3	5	5	5
14	TROLLEY FORWARD 1-3	12	12	11
15	TROLLEY BACKWARD 1-3	13	13	13
16	TROLLEY FWD/BWD 3-2 / 2-3	-	14	-
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	1	1	8
18	TRAVEL LEFT	15	15	1
19	TRAVEL RIGHT	16	16	17
20	LIFT / LOWER 3-2 / 2-3	7	7	7
21	COMMON HORN; BYPASS	-	-	-
22	LIFT / LOWER 3 / 3	8	8	-
23	TROLLEY FWD/BWD 3 / 3	19	19	-
24	HORN *NC*	-	-	-
25	HORN *NO*	-	-	-
26	BYPASS	-	-	-
27	COMMON BRAKE; ON/OFF	1	1	-
28	BRAKE *NC*	-	-	-
29	BRAKE *NO*	18	18	-
30	OFF *NO*	-	-	-
31	OFF *NC*	-	-	-
32	ON	3	3	3
33	COMMON ON	4	4	4
38	COMMON TURN	-	-	-
39	TURN LEFT 1-4	-	-	-
40	TURN RIGHT 1-4	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-
42	TURN R / L 4-2 / 2-4	-	-	-
43	TURN R / L 4-3 / 3-4	-	-	-
44	TURN R / L 4 / 4	-	-	-
34	POTI "A"	-	-	-
35	POTI "D"	-	-	-
36	POTI "C"	-	-	-
37	POTI "B"	-	-	-
CABLE-NO.: Compact-V_D_R20_21		01	02	03

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

CODE 1
CONNECTING DIAGRAM
EDILGROU

Wire No.	Function:	Crane Type / Drawing No.: 01 Pin No.	TURBO 30 Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	
2	COMMON EMERGENCY STOP	1	1	
3	EMERGENCY STOP	2	2	
4	COMMON TURN	16	16	
5	TURN RIGHT 1-4	9	9	
6	TURN LEFT 1-4	10	10	
7	TURN R / L 4-2 / 2-4	15	15	
8	TURN R / L 4-3 / 3-4	-	-	
9	POWER SUPPLY N. AC	24	24	
10	TURN R / L 4 / 4	-	-	
11	COM. HOIST ST1; TROLLEY	16	16	
12	LOWER 1-3	5	5	
13	LIFT 1-3-3	4	4	
14	TROLLEY FORWARD 1-3	12	12	
15	TROLLEY BACKWARD 1-3	11	11	
16	TROLLEY FWD/BWD 3-2 / 2-3	-	17	
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	16	16	
18	TRAVEL LEFT	7	7	
19	TRAVEL RIGHT	8	8	
20	LIFT / LOWER 3-2 / 2-3	13	13	
21	COMMON HORN; BYPASS	-	-	
22	LIFT / LOWER 3 / 3	14	14	
23	TROLLEY FWD/BWD 3 / 3	-	-	
24	HORN *NC*	-	-	
25	HORN *NO*	-	-	
26	BYPASS	-	-	
27	COMMON BRAKE; ON/OFF	-	-	
28	BRAKE *NC*	-	-	
29	BRAKE *NO*	-	-	
30	OFF *NO*	-	-	
31	OFF *NC*	-	-	
32	ON	3	3	
33	COMMON ON	2	2	
38	COMMON TURN	-	-	
39	TURN LEFT 1-4	-	-	
40	TURN RIGHT 1-4	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	
42	TURN R / L 4-2 / 2-4	-	-	
43	TURN R / L 4-3 / 3-4	-	-	
44	TURN R / L 4 / 4	-	-	
34	POTI "A"	-	-	
35	POTI "D"	-	-	
36	POTI "C"	-	-	
37	POTI "B"	-	-	
CABLE-NO.:Compact-V_D_R20_22		01	02	03

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

CODE 1
CONNECTING DIAGRAM
SIMMA

Wire No.	Function:	Crane Type / Drawing No.: SP80 Pin No.	SP125 Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	
2	COMMON EMERGENCY STOP	12	12	
3	EMERGENCY STOP	1	1	
4	COMMON TURN	-	12	
5	TURN RIGHT 1-4	-	3	
6	TURN LEFT 1-4	-	2	
7	TURN R / L 4-2 / 2-4	-	-	
8	TURN R / L 4-3 / 3-4	-	-	
9	POWER SUPPLY N. AC	24	24	
10	TURN R / L 4 / 4	-	-	
11	COM. HOIST ST1; TROLLEY	12	12	
12	LOWER 1-3	9	9	
13	LIFT 1-3-3	10	10	
14	TROLLEY FORWARD 1-3	6	6	
15	TROLLEY BACKWARD 1-3	5	5	
16	TROLLEY FWD/BWD 3-2 / 2-3	15	-	
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	12	12	
18	TRAVEL LEFT	7	7	
19	TRAVEL RIGHT	8	8	
20	LIFT / LOWER 3-2 / 2-3	14	14	
21	COMMON HORN; BYPASS	12	12	
22	LIFT / LOWER 3 / 3	4	4	
23	TROLLEY FWD/BWD 3 / 3	-	-	
24	HORN *NC*	13	13	
25	HORN *NO*	-	-	
26	BYPASS	-	-	
27	COMMON BRAKE; ON/OFF	-	-	
28	BRAKE *NC*	-	-	
29	BRAKE *NO*	-	-	
30	OFF *NO*	-	-	
31	OFF *NC*	-	-	
32	ON	11	11	
33	COMMON ON	12	12	
38	COMMON TURN	-	-	
39	TURN LEFT 1-4	-	-	
40	TURN RIGHT 1-4	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	
42	TURN R / L 4-2 / 2-4	-	-	
43	TURN R / L 4-3 / 3-4	-	-	
44	TURN R / L 4 / 4	-	-	
34	POTI "A"	17	-	
35	POTI "D"	3	-	
36	POTI "C"	18	-	
37	POTI "B"	2	-	
CABLE-NO.:Compact-V_D_R20_23		01	02	23

CODE 1 : ;1;-;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 1
CONNECTING DIAGRAM
SCHALLER

Wire No.	Function:	Crane Type / Drawing No.: 01		
		Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1		
2	COMMON EMERGENCY STOP	2		
3	EMERGENCY STOP	3		
4	COMMON TURN	2		
5	TURN RIGHT 1-4	15		
6	TURN LEFT 1-4	14		
7	TURN R / L 4-2 / 2-4	-		
8	TURN R / L 4-3 / 3-4	-		
9	POWER SUPPLY N. AC	24		
10	TURN R / L 4 / 4	-		
11	COM. HOIST ST1; TROLLEY	2		
12	LOWER 1-3	6		
13	LIFT 1-3-3	4		
14	TROLLEY FORWARD 1-3	9		
15	TROLLEY BACKWARD 1-3	8		
16	TROLLEY FWD/BWD 3-2 / 2-3			
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	2		
18	TRAVEL LEFT	-		
19	TRAVEL RIGHT	-		
20	LIFT / LOWER 3-2 / 2-3	7		
21	COMMON HORN; BYPASS	2		
22	LIFT / LOWER 3 / 3	13		
23	TROLLEY FWD/BWD 3 / 3			
24	HORN *NC*	5		
25	HORN *NO*	-		
26	BYPASS	-		
27	COMMON BRAKE; ON/OFF	-		
28	BRAKE *NC*	-		
29	BRAKE *NO*	-		
30	OFF *NO*	-		
31	OFF *NC*	-		
32	ON	1		
33	COMMON ON	2		
38	COMMON TURN	-		
39	TURN LEFT 1-4	-		
40	TURN RIGHT 1-4	-		
41	COMMON TURN ST.2; 3; 4	-		
42	TURN R / L 4-2 / 2-4	-		
43	TURN R / L 4-3 / 3-4	-		
44	TURN R / L 4 / 4	-		
34	POTI "A"	-		
35	POTI "D"	-		
36	POTI "C"	-		
37	POTI "B"	-		
CABLE-NO.: Compact-V_D_R20_27		01	02	03
CODE 1 : ;1;-;-;-;-;-;-;-; Note:				

Subject to change without notice.

CODE 1
CONNECTING DIAGRAM
BLITZLIFT

Wire No.	Function:	Crane Type / Drawing No.: 220V	380V	
		Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	
2	COMMON EMERGENCY STOP	2	2	
3	EMERGENCY STOP	4	4	
4	COMMON TURN	4	4	
5	TURN RIGHT 1-4	8	8	
6	TURN LEFT 1-4	7	7	
7	TURN R / L 4-2 / 2-4	-	-	
8	TURN R / L 4-3 / 3-4	-	-	
9	POWER SUPPLY N. AC	24	24	
10	TURN R / L 4 / 4	-	-	
11	COM. HOIST ST1; TROLLEY	4	4	
12	LOWER 1-3	6	6	
13	LIFT 1-3-3	5	5	
14	TROLLEY FORWARD 1-3	9	9	
15	TROLLEY BACKWARD 1-3	10	10	
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3	4	4	
18	TRAVEL LEFT	-	-	
19	TRAVEL RIGHT	-	-	
20	LIFT / LOWER 3-2 / 2-3	11	11	
21	COMMON HORN; BYPASS	4	4	
22	LIFT / LOWER 3 / 3	-	-	
23	TROLLEY FWD/BWD 3 / 3	-	-	
24	HORN *NC*	1	1	
25	HORN *NO*	-	-	
26	BYPASS	-	-	
27	COMMON BRAKE; ON/OFF	-	-	
28	BRAKE *NC*	-	-	
29	BRAKE *NO*	-	-	
30	OFF *NO*	-	-	
31	OFF *NC*	-	-	
32	ON	3	3	
33	COMMON ON	4	4	
38	COMMON TURN	-	-	
39	TURN LEFT 1-4	-	-	
40	TURN RIGHT 1-4	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	
42	TURN R / L 4-2 / 2-4	-	-	
43	TURN R / L 4-3 / 3-4	-	-	
44	TURN R / L 4 / 4	-	-	
34	POTI "A"	-	-	
35	POTI "D"	-	-	
36	POTI "C"	-	-	
37	POTI "B"	-	-	
CABLE-NO.: Compact-V_D_R20_28		01	02	03
CODE 1 : ;1;-;-;-;-;-;-;-; Note:				

NO - Relay contacts are open in rest position.

CODE 1
CONNECTING DIAGRAM

Wire No.	Function:	Crane Type / Drawing No.:		
		Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC			
2	COMMON EMERGENCY STOP			
3	EMERGENCY STOP			
4	COMMON TURN			
5	TURN RIGHT 1-4			
6	TURN LEFT 1-4			
7	TURN R / L 4-2 / 2-4			
8	TURN R / L 4-3 / 3-4			
9	POWER SUPPLY N. AC			
10	TURN R / L 4 / 4			
11	COM. HOIST ST1; TROLLEY			
12	LOWER 1-3			
13	LIFT 1-3-3			
14	TROLLEY FORWARD 1-3			
15	TROLLEY BACKWARD 1-3			
16	TROLLEY FWD/BWD 3-2 / 2-3			
17	COM. TRAV.; HOIS. ST.2, 3; TROLL. ST.3			
18	TRAVEL LEFT			
19	TRAVEL RIGHT			
20	LIFT / LOWER 3-2 / 2-3			
21	COMMON HORN; BYPASS			
22	LIFT / LOWER 3 / 3			
23	TROLLEY FWD/BWD 3 / 3			
24	HORN *NC*			
25	HORN *NO*			
26	BYPASS			
27	COMMON BRAKE; ON/OFF			
28	BRAKE *NC*			
29	BRAKE *NO*			
30	OFF *NO*			
31	OFF *NC*			
32	ON			
33	COMMON ON			
38	COMMON TURN			
39	TURN LEFT 1-4			
40	TURN RIGHT 1-4			
41	COMMON TURN ST.2; 3; 4			
42	TURN R / L 4-2 / 2-4			
43	TURN R / L 4-3 / 3-4			
44	TURN R / L 4 / 4			
34	POTI "A"			
35	POTI "D"			
36	POTI "C"			
37	POTI "B"			
CABLE-NO.: Compact-V_D_R20_		01	02	23
CODE 1 : ;1;-;-;-;-;-;-;-; Note:				

NC - Relay contacts are closed in rest position.

CODE 2 CONNECTING DIAGRAM
EUROGRUE

Wire No.	Function:	166.6	172.6	185.8	185.8A	30 10	32.10	40.10	24.85	
		Crane Type / Drawing No.:								
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	3	3	3	3	1	1	1	1	
2	COMMON EMERGENCY STOP	3	3	3	3	1	1	1	1	
3	EMERGENCY STOP	1	1	1	1	2	2	2	2	
4	COMMON TURN	2	2	2	2	16	16	16	16	
5	TURN RIGHT 1-4	7	7	7	7	10	10	10	10	
6	TURN LEFT 1-4	6	6	6	6	9	9	9	9	
7	TURN R / L 4-2 / 2-4	-	16	16	16	18	18	18	18	
8	TURN R / L 4-3 / 3-4	-	-	-	17	15	-	-	-	
9	POWER SUPPLY N. AC	16	16	Ext.	24	24	24	24	24	
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	
11	COM. LOW.; TROL. BWD.; ST3; TRAV.	2	2	2	2	16	16	16	16	
12	LOWER 1-3	5	5	5	5	5	5	5	5	
13	TROLLEY BACKWARD 1-3	9	9	9	9	11	11	11	11	
14	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-	-	-	
15	TRAVEL LEFT	-	-	-	-	-	-	-	-	
16	TRAVEL RIGHT	-	-	-	-	-	-	-	-	
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2	12	12	12	12	19	15	15	15	
18	BYPASS	-	-	-	-	-	-	-	-	
19	OFF	-	-	-	-	-	-	-	-	
20	LIFT 1-3-3	4	4	4	4	4	4	4	4	
21	COMMON HOIST ST2; 3	12	12	12	12	6	6	6	6	
22	TROLLEY FORWARD 1-3	8	8	8	8	12	12	12	12	
23	TROLLEY FWD/BWD 3-2 / 2-3	-	-	15	15	17	17	17	17	
24		-	-	-	-	-	-	-	-	
25	LIFT / LOWER 3-2 / 2-3	-	-	-	11	13	13	13	13	
26	LIFT / LOWER 3 / 3	11	11	11	13	14	14	14	14	
27	COMMON ON; HORN	1	1	1	1	2	2	2	2	
28	HORN *NC*	-	-	-	-	-	-	-	-	
29	HORN *NO*	10	10	10	10	-	-	-	-	
30	ON *NO*	2	2	2	2	3	3	3	3	
31	ON *NC*	-	-	-	-	-	-	-	-	
32	BRAKE	-	-	-	-	-	-	-	-	
33	COMMON BRAKE	-	-	-	-	-	-	-	-	
38	COMMON TURN	-	-	-	-	-	-	-	-	
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	
34	POTI "A"	-	-	-	-	-	-	-	-	
35	POTI "D"	-	-	-	-	-	-	-	-	
36	POTI "C"	-	-	-	-	-	-	-	-	
37	POTI "B"	-	-	-	-	-	-	-	-	
CABLE-NO.: Compact-V_D_R20_5		01	02	03	04	05	06	07	08	09
CODE 2 : ;-;2;-;-;-;-;-;-; Note:		*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*								

CODE 2 CONNECTING DIAGRAM
HUGGLER

Wire No.	Function:	H2812	H3011	H3312	H3511	H3813	H4012			
		Crane Type / Drawing No.:								
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	2	2	2	2			
2	COMMON EMERGENCY STOP	2	2	2	2	2	2			
3	EMERGENCY STOP	3	3	3	3	3	3			
4	COMMON TURN	5	5	5	5	5	5			
5	TURN RIGHT 1-4	11	11	11	11	11	11			
6	TURN LEFT 1-4	10	10	10	10	10	10			
7	TURN R / L 4-2 / 2-4	12	12	12	12	12	12			
8	TURN R / L 4-3 / 3-4	18	18	18	18	18	18			
9	POWER SUPPLY N. AC	23	23	23	23	23	23			
10	TURN R / L 4 / 4	-	-	-	-	-	-			
11	COM. LOW.; TROL. BWD.; ST3; TRAV.	5	5	5	5	5	5			
12	LOWER 1-3	7	7	7	7	7	7			
13	TROLLEY BACKWARD 1-3	8	8	8	8	8	8			
14	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-			
15	TRAVEL LEFT	16	16	16	16	16	16			
16	TRAVEL RIGHT	15	15	15	15	15	15			
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2	5	5	5	5	5	5			
18	BYPASS	-	-	-	-	-	-			
19	OFF	-	-	-	-	-	-			
20	LIFT 1-3-3	6	6	6	6	6	6			
21	COMMON HOIST ST2; 3	5	5	5	5	5	5			
22	TROLLEY FORWARD 1-3	9	9	9	9	9	9			
23	TROLLEY FWD/BWD 3-2 / 2-3	17	17	17	17	17	17			
24		-	-	-	-	-	-	-	-	
25	LIFT / LOWER 3-2 / 2-3	1	1	1	1	1	1			
26	LIFT / LOWER 3 / 3	13	13	13	13	13	13			
27	COMMON ON; HORN	3	3	3	3	3	3			
28	HORN *NC*	-	-	-	-	-	-			
29	HORN *NO*	-	-	-	-	-	-			
30	ON *NO*	4	4	4	4	4	4			
31	ON *NC*	-	-	-	-	-	-			
32	BRAKE	-	-	-	-	-	-			
33	COMMON BRAKE	-	-	-	-	-	-			
38	COMMON TURN	-	-	-	-	-	-			
39	TURN LEFT 1-4	-	-	-	-	-	-			
40	TURN RIGHT 1-4	-	-	-	-	-	-			
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-			
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-			
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
44	TURN R / L 4 / 4	-	-	-	-	-	-			
34	POTI "A"	-	-	-	-	-	-			
35	POTI "D"	-	-	-	-	-	-			
36	POTI "C"	-	-	-	-	-	-			
37	POTI "B"	-	-	-	-	-	-			
CABLE-NO.: Compact-V_D_R20_10		01	02	03	04	05	06	07	08	09
CODE 2 : ;-;2;-;-;-;-;-;-; Note:		*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 2
CONNECTING DIAGRAM
CIBIN

Wire No.	Function:	Crane Type / Drawing No.: 3000 Pin No.	S30 Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	
2	COMMON EMERGENCY STOP	11	11	
3	EMERGENCY STOP	2	2	
4	COMMON TURN	2	2	
5	TURN RIGHT 1-4	6	6	
6	TURN LEFT 1-4	12	12	
7	TURN R / L 4-2 / 2-4	-	-	
8	TURN R / L 4-3 / 3-4	-	-	
9	POWER SUPPLY N. AC	24	24	
10	TURN R / L 4 / 4	-	-	
11	COM. LOW.; TROL. BWD.; ST3; TRAV.	2	2	
12	LOWER 1-3	9	9	
13	TROLLEY BACKWARD 1-3	17	17	
14	TROLLEY FWD/BWD 3 / 3	-	-	
15	TRAVEL LEFT	-	-	
16	TRAVEL RIGHT	-	-	
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2	3	3	
18	BYPASS	-	-	
19	OFF	-	-	
20	LIFT 1-3-3	8	8	
21	COMMON HOIST ST2; 3	2	2	
22	TROLLEY FORWARD 1-3	10	10	
23	TROLLEY FWD/BWD 3-2 / 2-3	-	-	
24		-	-	
25	LIFT / LOWER 3-2 / 2-3	5	5	
26	LIFT / LOWER 3 / 3	-	-	
27	COMMON ON; HORN	2	2	
28	HORN *NC*	-	-	
29	HORN *NO*	7	7	
30	ON *NO*	4	4	
31	ON *NC*	-	-	
32	BRAKE	-	-	
33	COMMON BRAKE	-	-	
38	COMMON TURN	-	-	
39	TURN LEFT 1-4	-	-	
40	TURN RIGHT 1-4	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	
42	TURN R / L 4-2 / 2-4	-	-	
43	TURN R / L 4-3 / 3-4	-	-	
44	TURN R / L 4 / 4	-	-	
34	POTI "A"	-	-	
35	POTI "D"	-	-	
36	POTI "C"	-	-	
37	POTI "B"	-	-	
CABLE-NO.: Compact-V_D_R20_29		01	02	03

CODE 2 : ;-;2;-;-;-;-;-;-;

Note: *Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*

CODE 2
CONNECTING DIAGRAM

Wire No.	Function:	Crane Type / Drawing No.: Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC			
2	COMMON EMERGENCY STOP			
3	EMERGENCY STOP			
4	COMMON TURN			
5	TURN RIGHT 1-4			
6	TURN LEFT 1-4			
7	TURN R / L 4-2 / 2-4			
8	TURN R / L 4-3 / 3-4			
9	POWER SUPPLY N. AC			
10	TURN R / L 4 / 4			
11	COM. LOW.; TROL. BWD.; ST3; TRAV.			
12	LOWER 1-3			
13	TROLLEY BACKWARD 1-3			
14	TROLLEY FWD/BWD 3 / 3			
15	TRAVEL LEFT			
16	TRAVEL RIGHT			
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2			
18	BYPASS			
19	OFF			
20	LIFT 1-3-3			
21	COMMON HOIST ST2; 3			
22	TROLLEY FORWARD 1-3			
23	TROLLEY FWD/BWD 3-2 / 2-3			
24				
25	LIFT / LOWER 3-2 / 2-3			
26	LIFT / LOWER 3 / 3			
27	COMMON ON; HORN			
28	HORN *NC*			
29	HORN *NO*			
30	ON *NO*			
31	ON *NC*			
32	BRAKE			
33	COMMON BRAKE			
38	COMMON TURN			
39	TURN LEFT 1-4			
40	TURN RIGHT 1-4			
41	COMMON TURN ST.2; 3; 4			
42	TURN R / L 4-2 / 2-4			
43	TURN R / L 4-3 / 3-4			
44	TURN R / L 4 / 4			
34	POTI "A"			
35	POTI "D"			
36	POTI "C"			
37	POTI "B"			
CABLE-NO.: Compact-V_D_R20_		01	02	03

CODE 2 : ;-;2;-;-;-;-;-;-;

Note:

CODE 2
CONNECTING DIAGRAM

Wire No.	Function:	Crane Type / Drawing No.: Pin No.	Pin No.	Stift No.
1	POWER SUPPLY PH. AC			
2	COMMON EMERGENCY STOP			
3	EMERGENCY STOP			
4	COMMON TURN			
5	TURN RIGHT 1-4			
6	TURN LEFT 1-4			
7	TURN R / L 4-2 / 2-4			
8	TURN R / L 4-3 / 3-4			
9	POWER SUPPLY N. AC			
10	TURN R / L 4 / 4			
11	COM. LOW.; TROL. BWD.; ST3; TRAV.			
12	LOWER 1-3			
13	TROLLEY BACKWARD 1-3			
14	TROLLEY FWD/BWD 3 / 3			
15	TRAVEL LEFT			
16	TRAVEL RIGHT			
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2			
18	BYPASS			
19	OFF			
20	LIFT 1-3-3			
21	COMMON HOIST ST2; 3			
22	TROLLEY FORWARD 1-3			
23	TROLLEY FWD/BWD 3-2 / 2-3			
24				
25	LIFT / LOWER 3-2 / 2-3			
26	LIFT / LOWER 3 / 3			
27	COMMON ON; HORN			
28	HORN *NC*			
29	HORN *NO*			
30	ON *NO*			
31	ON *NC*			
32	BRAKE			
33	COMMON BRAKE			
38	COMMON TURN			
39	TURN LEFT 1-4			
40	TURN RIGHT 1-4			
41	COMMON TURN ST.2; 3; 4			
42	TURN R / L 4-2 / 2-4			
43	TURN R / L 4-3 / 3-4			
44	TURN R / L 4 / 4			
34	POTI "A"			
35	POTI "D"			
36	POTI "C"			
37	POTI "B"			
CABLE-NO.: Compact-V_D_R20_		01	02	23

CODE 2 : ;-;2;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 2 CONNECTING DIAGRAM
FERGRU

Wire No.	Function:	412--145 GHM_1	416--519 GHM_2	116 AF_1	412/145 519 AF_2	825-720	825			
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	1	11	11	11			
2	COMMON EMERGENCY STOP	11	11	1	11	11	11			
3	EMERGENCY STOP	2	2	2	2	2	2			
4	COMMON TURN	2	2	3	2	7	2			
5	TURN RIGHT 1-4	12	12	10	12	12	12			
6	TURN LEFT 1-4	6	6	11	6	6	6			
7	TURN R / L 4-2 / 2-4	-	-	12	-	-	-			
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
9	POWER SUPPLY N. AC	24	24	24	24	24	24			
10	TURN R / L 4 / 4	-	-	-	-	-	-			
11	COM. LOW.; TROL. BWD.; ST3; TRAV.	3	3	4	2	3	7			
12	LOWER 1-3	9	9	7	9	9	9			
13	TROLLEY BACKWARD 1-3	17	17	14	17	1	1			
14	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-			
15	TRAVEL LEFT	-	-	-	-	-	-			
16	TRAVEL RIGHT	-	-	-	-	-	-			
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2	3	3	4	2	3	7			
18	BYPASS	-	-	-	-	-	-			
19	OFF	-	-	-	-	-	-			
20	LIFT 1-3-3	8	8	6	8	8	8			
21	COMMON HOIST ST2; 3	2	2	3	2	2	7			
22	TROLLEY FORWARD 1-3	10	10	13	10	10	10			
23	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	-			
24										
25	LIFT / LOWER 3-2 / 2-3	5	5	8	5	5	14			
26	LIFT / LOWER 3 / 3	-	-	9	-	-	13			
27	COMMON ON; HORN	2	2	2	2	2	2			
28	HORN *NC*	-	-	-	-	-	-			
29	HORN *NO*	7	7	5	7	7	3			
30	ON *NO*	4	4	3	4	4	4			
31	ON *NC*	-	-	-	-	-	-			
32	BRAKE	-	-	-	-	-	-			
33	COMMON BRAKE	-	-	-	-	-	-			
38	COMMON TURN	-	-	-	-	-	-			
39	TURN LEFT 1-4	-	-	-	-	-	-			
40	TURN RIGHT 1-4	-	-	-	-	-	-			
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-			
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-			
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
44	TURN R / L 4 / 4	-	-	-	-	-	-			
34	POTI "A"	-	-	-	-	-	-			
35	POTI "D"	-	-	-	-	-	-			
36	POTI "C"	-	-	-	-	-	-			
37	POTI "B"	-	-	-	-	-	-			
Compact-V_D_R20_10Compact-V_D_R20_7		01	02	03	04	05	06	07	08	09

CODE 2 : ;-;2;-;-;-;-;-;-; Note: *Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*

CODE 2 CONNECTING DIAGRAM
FERRO

Wire No.	Function:	860.03 330 SR12	860.03 330 SR14	860.05 437 SR16	860.05 437 SR18	860.09 482 SR22	860.09 487 SR25			
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	11	11	11	11	16	16			
2	COMMON EMERGENCY STOP	11	11	11	11	16	16			
3	EMERGENCY STOP	2	2	2	2	4	4			
4	COMMON TURN	2	2	2	2	1	1			
5	TURN RIGHT 1-4	12	12	12	12	9	9			
6	TURN LEFT 1-4	6	6	6	6	6	6			
7	TURN R / L 4-2 / 2-4	-	-	-	-	15	15			
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
9	POWER SUPPLY N. AC	1	1	T	T	8	24			
10	TURN R / L 4 / 4	-	-	-	-	-	-			
11	COM. LOW.; TROL. BWD.; ST3; TRAV.	2	2	2	2	1	1			
12	LOWER 1-3	9	9	9	9	4	4			
13	TROLLEY BACKWARD 1-3	17	17	17	17	10	10			
14	TROLLEY FWD/BWD 3 / 3	-	-	-	-	-	-			
15	TRAVEL LEFT	-	-	-	-	-	8			
16	TRAVEL RIGHT	-	-	-	-	-	7			
17	COM. OFF; BYPASS; LIF.; TROL. FWD.; ST2	3	3	2	2	1	1			
18	BYPASS	-	-	-	-	-	-			
19	OFF	-	-	-	-	-	-			
20	LIFT 1-3-3	8	8	8	8	5	5			
21	COMMON HOIST ST2; 3	2	2	2	2	13	13			
22	TROLLEY FORWARD 1-3	10	10	10	10	11	11			
23	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	-			
24										
25	LIFT / LOWER 3-2 / 2-3	5	5	5	5	14	14			
26	LIFT / LOWER 3 / 3	-	-	-	-	12	12			
27	COMMON ON; HORN	2	2	2	2	4	4			
28	HORN *NC*	-	-	-	-	-	-			
29	HORN *NO*	7	7	7	7	-	-			
30	ON *NO*	4	4	4	4	3	3			
31	ON *NC*	-	-	-	-	-	-			
32	BRAKE	-	-	-	-	-	-			
33	COMMON BRAKE	-	-	-	-	-	-			
38	COMMON TURN	-	-	-	-	-	-			
39	TURN LEFT 1-4	-	-	-	-	-	-			
40	TURN RIGHT 1-4	-	-	-	-	-	-			
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-			
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-			
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
44	TURN R / L 4 / 4	-	-	-	-	-	-			
34	POTI "A"	-	-	-	-	-	-			
35	POTI "D"	-	-	-	-	-	-			
36	POTI "C"	-	-	-	-	-	-			
37	POTI "B"	-	-	-	-	-	-			
Compact-V_D_R20_10Compact-V_D_R20_8		01	02	03	04	05	06	07	08	09

CODE 2 : ;-;2;-;-;-;-;-;-; Note: *Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 3
CONNECTING DIAGRAM
ARCOMET

Wire No.	Function:	T24_3	T24_4	T25A_2	T30_3	T30_4	T33A_4	T33A_5	T33A_6	CT25A_2	VK 16_3	VK 20_2	VK 26_2	VK 30A1_2	VK 30A2_2	ARCO 14_2	ARCO 16_4	ARCO 18_2	ARCO 20S_2	ARCO 25S_2	A32_2	A36_2	A40_2	A42_2
		Crane Type / Drawing No.:																						
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	3	3	3	3	3	3	3	3	3	3	3	3	3	3	11	11	11	1	1	3	3	3	3
2	COMMON EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	11	11	1	1	1	1	1	1
3	EMERGENCY STOP	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
4	COMMON TURN; TROLLEY	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
5	TURN RIGHT 1-4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	12	12	12	8	8	7	7	7	7
6	TURN LEFT 1-4	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	9	9	6	6	6	6
7	TROLLEY FORWARD 1-3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	9	9	9	9
8	TROLLEY BACKWARD 1-3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	17	17	17	12	12	8	8	8	8
9	POWER SUPPLY N. AC	23	23	23	23	23	23	23	23	23	23	23	23	23	23	15	15	15	6	6	23	23	23	23
10	TROLLEY FWD/BWD 3-2 / 2-3	14	-	14	14	-	14	-	14	14	14	-	-	-	18	-	-	-	-	-	14	14	14	14
11	COM. TURN ST.2; 3; 4; TRAVEL	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
12	TURN R / L 4-2 / 2-4	-	24	24	-	24	-	24	24	24	-	-	-	-	-	-	-	-	-	16	19	19	19	19
13	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	21	21	21
14	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	TRAVEL LEFT	11	11	11	11	11	11	11	11	11	11	11	11	11	11	-	-	-	-	-	11	-	-	-
16	TRAVEL RIGHT	10	10	10	10	10	10	10	10	10	10	10	10	10	10	-	-	-	-	-	10	-	-	-
17	COM. HOIST; TELESCOPE	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
18	LOWER 1-3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	9	5	5	12	12	12	12
19	LIFT 1-3-3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	4	4	4	4	4	4
20	LIFT / LOWER 3-2 / 2-3	13	13	13	13	13	13	13	13	13	13	13	13	13	13	5	5	5	11	11	13	13	13	13
21	COMMON ON; HORN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	13	13	5	5	5	5
22	LIFT / LOWER 3 / 3	20	20	20	20	20	20	20	20	20	20	20	20	20	20	-	-	-	14	14	20	20	20	20
23	TELESCOPE	18	18	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-
24	HORN *NC*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	-	-	-	-	-	15	15	15	15
25	HORN *NO*	2	14	2	2	14	2	14	2	2	2	14	14	14	14	3	3	3	3	3	2	2	2	2
26	OFF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	COM. BRAKE; WORK / MONTAGE	17	17	17	17	17	17	17	17	17	17	17	17	17	17	-	-	-	-	-	17	17	17	17
28	BRAKE *NC*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	-	-	-	-	-	16	16	16	16
29	BRAKE *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	WORK / MONTAGE POS.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	WORK / MONTAGE POS.1; 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	ON	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	2	2	3	3	3	3
33	COMMON ON	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
38	COMMON TURN; TROLLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TROLLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	TROLLEY FORWARD 1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	TROLLEY BACKWARD 1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CABLE-NO.:Compact-V_D_R20_1		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23

CODE 3 : ;1;2;-;-;-;-;-;-;

Note:

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 4
CONNECTING DIAGRAM
EDILMAC

Wire No.	Function:	Crane Type / Drawing No.: E230 Pin No.	E231 Pin No.	E345 Pin No.	E2770 Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	4	2					
2	COMMON EMERGENCY STOP	1	1	4	2					
3	EMERGENCY STOP	3	3	3	3					
4	COMMON TURN	16	16	3	5					
5	TURN RIGHT 1-4	13	13	11	11					
6	TURN LEFT 1-4	13	13	10	10					
7	TURN RIGHT 2-4	10	10	12	12					
8	TURN LEFT 2-4	9	9	12	12					
9	POWER SUPPLY N. AC	24	24	24	24					
10	TURN R / L 4-3 / 3-4	-	-	-	-					
11	COM. LOW; TROL. BWD.; ST 2, 3; BYPASS	16	16	3	5					
12	LOWER 1-3	5	5	7	7					
13	TROLLEY BACKWARD 1-3	12	12	8	8					
14	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-					
15	TROLLEY FWD/BWD 3 / 3	-	-	-	-					
16	BYPASS	-	-	-	-					
17	COM. TRAV.; HOIST. ST2, 3; HORN	6	6	3	5					
18	TRAVEL LEFT	7	7	15	-					
19	TRAVEL RIGHT	8	8	16	-					
20	LIFT / LOWER 3-2 / 2-3	14	14	1	1					
21	COM. LIFT; TROL. FWD	16	16	3	5					
22	LIFT / LOWER 3 / 3	17	17	13	13					
23	HORN	-	-	5	-					
24		-	-	-	-					
25	LIFT 1-3	4	4	6	6					
26	TROLLEY FORWARD 1-3	15	11	9	9					
27	COMMON BRAKE; ON/OFF	-	-	-	-					
28	BRAKE *NC*	-	-	-	-					
29	BRAKE *NO*	-	-	-	-					
30	OFF *NO*	-	-	-	-					
31	OFF *NC*	-	-	-	-					
32	ON	2	2	2	4					
33	COMMON ON	3	3	3	3					
38	COMMON TURN	-	-	-	-					
39	TURN LEFT 1-4	-	-	-	-					
40	TURN RIGHT 1-4	-	-	-	-					
41	COMMON TURN ST. 2; 3	-	-	-	-					
42	TURN RIGHT 2-4	-	-	-	-					
43	TURN LEFT 2-4	-	-	-	-					
44	TURN R / L 4-3 / 3-4	-	-	-	-					
34	POTI "A"	-	-	-	-					
35	POTI "D"	-	-	-	-					
36	POTI "C"	-	-	-	-					
37	POTI "B"	-	-	-	-					
CABLE-NO.: Compact-V_D_R20_6		01	02	03	04	05	06	07	08	09
CODE 4 : ;-;-;3;-;-;-;-;-; Note:										

CODE 4
CONNECTING DIAGRAM

Wire No.	Function:	Crane Type / Drawing No.: Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC									
2	COMMON EMERGENCY STOP									
3	EMERGENCY STOP									
4	COMMON TURN									
5	TURN RIGHT 1-4									
6	TURN LEFT 1-4									
7	TURN RIGHT 2-4									
8	TURN LEFT 2-4									
9	POWER SUPPLY N. AC									
10	TURN R / L 4-3 / 3-4									
11	COM. LOW; TROL. BWD.; ST 2, 3; BYPASS									
12	LOWER 1-3									
13	TROLLEY BACKWARD 1-3									
14	TROLLEY FWD/BWD 3-2 / 2-3									
15	TROLLEY FWD/BWD 3 / 3									
16	BYPASS									
17	COM. TRAV.; HOIST. ST2, 3; HORN									
18	TRAVEL LEFT									
19	TRAVEL RIGHT									
20	LIFT / LOWER 3-2 / 2-3									
21	COM. LIFT; TROL. FWD									
22	LIFT / LOWER 3 / 3									
23	HORN									
24										
25	LIFT 1-3									
26	TROLLEY FORWARD 1-3									
27	COMMON BRAKE; ON/OFF									
28	BRAKE *NC*									
29	BRAKE *NO*									
30	OFF *NO*									
31	OFF *NC*									
32	ON									
33	COMMON ON									
38	COMMON TURN									
39	TURN LEFT 1-4									
40	TURN RIGHT 1-4									
41	COMMON TURN ST. 2; 3									
42	TURN RIGHT 2-4									
43	TURN LEFT 2-4									
44	TURN R / L 4-3 / 3-4									
34	POTI "A"									
35	POTI "D"									
36	POTI "C"									
37	POTI "B"									
CABLE-NO.: Compact-V_D_R20_		01	02	03	04	05	06	07	08	09
CODE 4 : ;-;-;3;-;-;-;-;-; Note:										

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 6 CONNECTING DIAGRAM **LIEBHERR**		Crane Type / Drawing No.:																						
		4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005
		2967	2954	21308	21385	2883	2895	2916	21018	2753	21495	2955	21074	21322	21346	21395	21140	21433	21091	21026	21101	21263	21449	21101
		13K_1	20K_1	20K_2	20K_3	20K_4	20K_5	20K_6	21K_1	22K32_1	26/32K_1	27K_1	27K_2	28K_1	28K_2	28K_3	33K_1	35K_1	40K_1	48K_1	48.1K_1	50K_1	50K_2	60K_1
Wire No.	**Function:**	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	COMMON EMERGENCY STOP	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	EMERGENCY STOP	5	5	5	5	3	3	3	5	3	3	5	5	5	5	3	5	3	3	5	5	5	3	5
4	COMMON TURN	3	3	3	3	4	4	4	3	4	7	3	3	3	3	7	3	7	3	3	3	3	7	3
5	TURN RIGHT 1-4	7	7	7	7	13	13	13	7	13	9	7	7	7	7	9	7	9	7	7	7	7	9	7
6	TURN LEFT 1-4	8	8	8	8	14	14	14	8	14	10	8	8	8	8	10	8	10	8	8	8	8	10	8
7	TURN R / L 4-2 / 2-4	9	9	9	9	-	-	-	9	15	11	9	9	9	9	11	9	11	9	9	21	9	-	21
8	TURN R / L 4-3 / 3-4	11	11	11	11	-	-	-	11	-	12	11	11	11	11	12	11	12	11	10	22	10	12	22
9	POWER SUPPLY N. AC	1	1	1	24	24	24	24	1	24	1	1	1	1	1	1	1	1	24	1	1	1	1	1
10	TURN R / L 4 / 4	21	21	21	21	-	-	-	21	-	-	21	21	21	21	-	21	-	21	11	9	11	-	9
11	COM. HOIST; WORK/MONTAGE	3	3	3	3	4	4	4	3	4	7	3	3	3	3	7	3	7	3	3	3	3	7	3
12	LOWER 1-3	18	18	18	18	6	6	6	18	6	21	18	18	18	18	21	18	21	18	20	18	20	21	18
13	LIFT 1-3-3	17	17	17	17	5	5	5	17	5	20	17	17	17	17	20	17	20	17	19	17	19	20	17
14	LIFT / LOWER 3-2 / 2-3	19	19	19	19	7	7	7	19	7	23	19	19	19	19	23	19	23	19	21	19	21	23	19
15	LIFT / LOWER 3 / 3	20	20	20	20	8	8	8	20	8	24	20	20	20	20	24	20	24	20	22	20	22	24	20
16	WORK / MONTAGE POS.3	22	22	22	-	-	-	-	22	-	19	22	22	22	22	19	22	19	-	18	-	18	19	-
17	COM. TROL.; TRAVEL	3	3	3	3	4	4	4	3	4	7	3	3	3	3	7	3	7	3	3	3	3	7	3
18	TROLLEY FORWARD 1-3	15	15	15	15	10	10	10	15	10	17	15	15	15	15	17	15	17	15	16	15	16	17	15
19	TROLLEY BACKWARD 1-3	14	14	14	14	9	9	9	14	9	16	14	14	14	14	16	14	16	14	15	14	15	16	14
20	TROLLEY FWD/BWD 3-2 / 2-3	16	16	16	16	-	-	-	16	-	18	16	16	16	16	18	16	18	16	17	16	17	18	16
21	COMMON BRAKE; ON	5	5	5	5	3	3	3	5	3	3	5	5	5	5	3	5	3	5	5	5	5	3	5
22	TRAVEL LEFT	13	13	13	13	12	12	12	13	12	15	13	13	13	13	15	13	15	13	14	13	14	15	13
23	TRAVEL RIGHT	12	12	12	12	11	11	11	12	11	14	12	12	12	12	14	12	14	12	13	12	13	14	12
24	BRAKE *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	BRAKE *NO*	10	10	10	10	16	16	16	10	16	13	10	10	10	10	13	10	13	10	12	10	12	13	10
26	ON	4	4	4	4	2	2	2	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27	COM. HORN; ON / OFF	5	5	5	5	3	3	3	5	3	3	5	5	5	5	3	5	3	3	5	5	5	3	5
28	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	HORN *NO*	6	6	6	6	17	17	17	6	17	8	6	6	6	6	8	6	8	6	6	6	6	8	6
30	ON / OFF *NO (set/reset)*	-	-	-	-	-	-	-	-	-	6	-	-	-	-	6	-	6	-	-	-	-	6	-
31	ON / OFF *NC (set/reset)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	BYPASS	24	24	24	-	-	-	-	24	-	22	24	24	24	24	22	24	22	-	23	-	23	22	-
33	COMMON BYPASS	23	23	23	-	-	-	-	23	-	7	23	23	23	23	7	23	7	-	3	-	3	7	-
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CABLE-NO.: Compact-V_D_R20_16		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 6 : ;-;2;3;-;-;-;-;-;	Note:	*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*																						

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 6 CONNECTING DIAGRAM **LIEBHERR**		Crane Type / Drawing No.:								
		4005 21206	4005 21263							
		60K_2	63K_1							
Wire No.	**Function:**	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2							
2	COMMON EMERGENCY STOP	2	2							
3	EMERGENCY STOP	5	5							
4	COMMON TURN	3	3							
5	TURN RIGHT 1-4	7	7							
6	TURN LEFT 1-4	8	8							
7	TURN R / L 4-2 / 2-4	21	9							
8	TURN R / L 4-3 / 3-4	22	10							
9	POWER SUPPLY N. AC	1	1							
10	TURN R / L 4 / 4	9	11							
11	COM. HOIST; WORK/MONTAGE	3	3							
12	LOWER 1-3	18	20							
13	LIFT 1-3-3	17	19							
14	LIFT / LOWER 3-2 / 2-3	19	21							
15	LIFT / LOWER 3 / 3	20	22							
16	WORK / MONTAGE POS.3	-	18							
17	COM. TROL.; TRAVEL	3	3							
18	TROLLEY FORWARD 1-3	15	16							
19	TROLLEY BACKWARD 1-3	14	15							
20	TROLLEY FWD/BWD 3-2 / 2-3	16	17							
21	COMMON BRAKE; ON	5	5							
22	TRAVEL LEFT	13	14							
23	TRAVEL RIGHT	12	13							
24	BRAKE *NC*									
25	BRAKE *NO*	10	12							
26	ON	4	4							
27	COM. HORN; ON / OFF	5	5							
28	HORN *NC*									
29	HORN *NO*	6	6							
30	ON / OFF *NO (set/reset)*	-	-							
31	ON / OFF *NC (set/reset)*									
32	BYPASS	-	23							
33	COMMON BYPASS	-	3							
38	COMMON TURN	-	-							
39	TURN LEFT 1-4	-	-							
40	TURN RIGHT 1-4	-	-							
41	COMMON TURN ST.2; 3; 4	-	-							
42	TURN R / L 4-2 / 2-4	-	-							
43	TURN R / L 4-3 / 3-4	-	-							
44	TURN R / L 4 / 4	-	-							
34	POTI "A"	-	-							
35	POTI "D"	-	-							
36	POTI "C"	-	-							
37	POTI "B"	-	-							
CABLE-NO.:Compact-V_D_R20_16		**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**
CODE 6 : ;-;2;3;-;-;-;-;-;		*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*								
Note:										

CODE 6 CONNECTING DIAGRAM		Crane Type / Drawing No.:								
Wire No.	**Function:**	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC									
2	COMMON EMERGENCY STOP									
3	EMERGENCY STOP									
4	COMMON TURN									
5	TURN RIGHT 1-4									
6	TURN LEFT 1-4									
7	TURN R / L 4-2 / 2-4									
8	TURN R / L 4-3 / 3-4									
9	POWER SUPPLY N. AC									
10	TURN R / L 4 / 4									
11	COM. HOIST; WORK/MONTAGE									
12	LOWER 1-3									
13	LIFT 1-3-3									
14	LIFT / LOWER 3-2 / 2-3									
15	LIFT / LOWER 3 / 3									
16	WORK / MONTAGE POS.3									
17	COM. TROL.; TRAVEL									
18	TROLLEY FORWARD 1-3									
19	TROLLEY BACKWARD 1-3									
20	TROLLEY FWD/BWD 3-2 / 2-3									
21	COMMON BRAKE; ON									
22	TRAVEL LEFT									
23	TRAVEL RIGHT									
24	BRAKE *NC*									
25	BRAKE *NO*									
26	ON									
27	COM. HORN; ON / OFF									
28	HORN *NC*									
29	HORN *NO*									
30	ON / OFF *NO (set/reset)*									
31	ON / OFF *NC (set/reset)*									
32	BYPASS									
33	COMMON BYPASS									
38	COMMON TURN									
39	TURN LEFT 1-4									
40	TURN RIGHT 1-4									
41	COMMON TURN ST.2; 3; 4									
42	TURN R / L 4-2 / 2-4									
43	TURN R / L 4-3 / 3-4									
44	TURN R / L 4 / 4									
34	POTI "A"									
35	POTI "D"									
36	POTI "C"									
37	POTI "B"									
CABLE-NO.: Compact-V_D_R20_16		**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**
CODE 6 : ;-;2;3;-;-;-;-;-;		*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*								
Note:										

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 6 CONNECTING DIAGRAM **PKZ**		Crane Type / Drawing No.:																						
															204I 204II	WOLF	Type I HTK	Type II HTK	Type III HTK		0017- 201a/b			
		2008_2	2010/2_2	2011_2	2510_2	3010_2	3012_2	3210_2	3212_2	3512_2	3610_2	3810_2	4010_2	4112_3	4112_4	4010M_2	2210_4	2210_5	2210_6	T20_2	CK3810	4310	4512	
Wire No.	**Function:**	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	COMMON EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	EMERGENCY STOP	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	6	2	2	2	
4	COMMON TURN	4	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	19	17	17	17	
5	TURN RIGHT 1-4	13	12	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	12	12	12	
6	TURN LEFT 1-4	12	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	13	13	13	
7	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	16	14	-	-	16	16	-	-	-	-	-	
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	17	15	-	-	-	-	-	-	-	-	-	
9	POWER SUPPLY N. AC	16	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	4	24	24	24	
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	COM. H0IST; WORK / MONTAGE	4	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	2	17	17	17	
12	LOWER 1-3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	16	6	6	6	
13	LIFT 1-3-3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	15	5	5	5	
14	LIFT / LOWER 3-2 / 2-3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	17	7	7	7	
15	LIFT / LOWER 3 / 3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	18	8	8	8	
16	WORK / MONTAGE POS.3	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	19	19	19	
17	COMMON TROLLEY; TRAVEL	4	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	2	17	17	17	
18	TROLLEY FORWARD 1-3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	11	9	9	9	
19	TROLLEY BACKWARD 1-3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	12	10	10	10	
20	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	18	18	18	18	18	18	18	18	18	11	18	18	18	18	18	-	18	18	18	
21	COMMON BRAKE; ON	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	6	2	2	2	
22	TRAVEL LEFT	15	18	-	20	20	20	20	16	16	20	20	15	19	21	20	-	-	-	-	21	21	-	
23	TRAVEL RIGHT	14	17	-	19	19	19	19	15	15	19	19	14	18	20	19	-	-	-	-	20	20	-	
24	BRAKE *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	
25	BRAKE *NO*	-	11	-	11	11	11	11	11	11	11	11	19	16	11	11	-	-	-	-	11	11	11	
26	ON	3	3	11	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	
27	COMMON HORN; ON / OFF	4	3	4	17	17	17	17	17	17	17	17	11	17	17	17	17	17	17	2	17	17	2	
28	HORN *NC*																							
29	HORN *NO*	11	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
30	ON / OFF *NO (set/reset)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	ON / OFF *NC (set/reset)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	COMMON BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38	COMMON TURN ST.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
39	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
34	POTI "A"	-	14	-	14	14	14	14	14	14	14	14	-	-	14	14	-	-	14	-	14	14	14	
35	POTI "D"	-	15	-	15	15	15	15	15	15	15	15	-	-	15	15	-	-	15	-	15	15	15	
36	POTI "C"	-	16	-	16	16	16	16	16	16	16	16	-	-	16	16	-	-	16	-	16	16	16	
37	POTI "B"	-	16	-	16	16	16	16	16	16	16	16	-	-	16	16	-	-	16	-	16	16	16	
CABLE-NO.: Compact-V_D_R20_16		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 6 : ;-;2;3;-;-;-;-;-; Note:		*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*																						

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 6 CONNECTING DIAGRAM **BOILOT**		Crane Type / Drawing No.:																						
		GA	GA	GA	GA	GA	GA	BF	BF	BP	BP	BP	BP	BP	BP	BP	BP	BP	GA	GA	GA			
		28	29	38	39	40	50	75	76	1000_1	1000_2	1016	1019	2020	2023	3025	3028	10002V	12-18._1	12-18._2	12-18d			
Wire No.	**Function:**	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	b3	11	b3	11	b3	b3	1	1	3	48/X	48/X	48/X	48/X	48/X	48/X	48/X	3	48	b3	1			
2	COMMON EMERGENCY STOP	b4	12	b4	12	b4	b4	2	2	4	4/C	4/C	4/C	3/A	3/A	3/A	3/A	4	4	b4	2			
3	EMERGENCY STOP	a1	1	a1	1	a1	a1	3	3	3	3/A	3/A	3/A	4/C	4/C	4/C	4/C	3	3	a1	3			
4	COMMON TURN	b4	12	b4	12	b4	b4	2	2	4	4/C	4/C	4/C	4/C	4/C	4/C	4/C	4	4	b4	2			
5	TURN RIGHT 1-4	a2	2	a2	2	a2	a2	15	15	16	16/G	16/G	16/G	16/G	16/G	16/G	16/G	16	16	a2	25			
6	TURN LEFT 1-4	a3	3	a3	3	a3	a3	14	14	18	18/H	18/H	18/H	18/H	18/H	18/H	18/H	18	18	a3	23			
7	TURN R / L 4-2 / 2-4	-	15	c2	17	c2	c2	-	-	-	-	-	-	33/R	33/R	33/R	33/R	-	-	c2	-			
8	TURN R / L 4-3 / 3-4	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
9	POWER SUPPLY N. AC	c8	24	c8	24	c8	c8	16	16	24	3/A	3/A	3/A	4/C	4/C	4/C	4/C	24	3	c8				
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	COM. HOIST; WORK/MONTAGE	b4	12	b4	12	b4	b4	2	2	4	4/C	4/C	4/C	4/C	4/C	4/C	4/C	4	4	b4	2			
12	LOWER 1-3	b1	9	b1	9	b1	b1	6	6	10	10/F	10/F	10/F	10/F	10/F	10/F	10/F	10	10	b1	9			
13	LIFT 1-3-3	a5	5	a5	5	a5	a5	8	8	22	22/L	22/L	22/L	22/L	22/L	22/L	22/L	22	22	a5	21			
14	LIFT / LOWER 3-2 / 2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
15	LIFT / LOWER 3 / 3	-	8	a7	8	a7	a7	10	10	14	14/T	14/T	14/T	14/T	14/T	14/T	14/T	14	14	a7	29			
16	WORK / MONTAGE POS.3	-	7	a8	7	a8	a8	11	11	12	12/S	12/S	12/S	12/S	12/S	12/S	12/S	12	12	a8	27			
17	COM. TROL.; TRAVEL	b4	12	b4	12	b4	b4	2	2	40	40/D	40/D	40/D	40/D	40/D	40/D	40/D	40	40	b4	2			
18	TROLLEY FORWARD 1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
19	TROLLEY BACKWARD 1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
20	TROLLEY FWD/BWD 3-2 / 2-3	b2	10	b2	10	b2	b2	4	4	7	7/E	7/E	7/E	7/E	7/E	7/E	7/E	7	7	b2	7			
21	COMMON BRAKE; ON	b4	12	b4	12	b4	b4	2	2	4	4/C	4/C	4/C	4/C	4/C	4/C	4/C	4	4	b4	2			
22	TRAVEL LEFT	a6	6	a6	6	a6	a6	9	9	20	20/K	20/K	20/K	20/K	20/K	20/K	20/K	20	20	a6	18			
23	TRAVEL RIGHT	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
24	BRAKE *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
25	BRAKE *NO*	b6	14	b6	14	b6	b6	7	7	21	21/N	21/N	21/N	21/N	21/N	21/N	21/N	21	21	b6	11			
26	ON	-	4	-	4	a4	a4	13	13	-	-	-	-	11/P	11/P	11/P	11/P	-	-	-	-			
27	COM. HORN; ON / OFF	b4	12	b4	12	b4	b4	2	2	4	4/C	4/C	4/C	3/A	3/A	3/A	3/A	4	4	b4	2			
28	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
29	HORN *NO*																							
30	ON / OFF *NO (set/reset)*	b3	11	b3	11	b3	b3	1	1	6	6/M	6/M	6/M	6/M	6/M	6/M	6/M	6	6	b3	1			
31	ON / OFF *NC (set/reset)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
32	BYPASS	-	-	c3	19	c3	c3	-	-	-	-	-	-	-	-	-	-	-	-	c3	-			
33	COMMON BYPASS	-	-	b4	12	b4	b4	-	-	-	-	-	-	-	-	-	-	-	-	b4	-			
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CABLE-NO.: Compact-V_D_R20_2		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 6 : ;-;2;3;-;-;-;-;-;	Note:	*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*																						

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 6
CONNECTING DIAGRAM
MUNSTER

Wire No.	Function:	7001.18/S A18	8004.26/S+G A24_1	45571.S A24_2	8004.26/S+G B26	45571.S E20	45571.S E25	5002.00/S F20		
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1	1	1	1		
2	COMMON EMERGENCY STOP	1	1	1	1	1	1	1		
3	EMERGENCY STOP	4	4	3	4	3	3	4		
4	COMMON TURN	5	5	4	5	4	4	5		
5	TURN RIGHT 1-4	6	6	12	6	12	12	7		
6	TURN LEFT 1-4	7	7	13	7	13	13	8		
7	TURN R / L 4-2 / 2-4	-	9	12	9	12	12	9		
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-		
9	POWER SUPPLY N. AC	16	24	16	24	16	16	24		
10	TURN R / L 4 / 4	-	-	-	-	-	-	-		
11	COMMON HOIST; WORK / MONTAGE	5	5	4	5	4	4	5		
12	LOWER 1-3	11	13	7	13	7	7	13		
13	LIFT 1-3	10	12	6	12	6	6	12		
14	LIFT / LOWER 3-2 / 2-3	12	14	8	14	8	8	14		
15	LIFT / LOWER 3 / 3	13	15	9	15	9	9	15		
16	POS.3 WORK / MONTAGE	-	-	-	-	-	-	-		
17	COMMON TROLLEY; TRAVEL	5	5	4	5	4	4	5		
18	TROLLEY FORWARD 1-3	8	10	10	10	10	10	10		
19	TROLLEY BACKWARD 1-3	9	11	11	11	11	11	11		
20	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	-	-		
21	COMMON BRAKE; ON	4	4	3	4	3	3	5		
22	TRAVEL LEFT	-	17	-	17	-	-	17		
23	TRAVEL RIGHT	-	16	-	16	-	-	16		
24	BRAKE NC	-	-	-	-	-	-	-		
25	BRAKE NO	-	6	5	6	5	5	6		
26	ON	3	3	2	3	2	2	3		
27	COMMON HORN; ON / OFF	4	4	3	4	3	3	4		
28	HORN *NC*	-	-	-	-	-	-	-		
29	HORN *NO*	2	2	2	2	2	2	2		
30	ON / OFF NO (set/reset)	-	-	-	-	-	-	-		
31	ON / OFF NC (set/reset)	-	-	-	-	-	-	-		
32	BYPASS	-	-	-	-	-	-	-		
33	COMMON BYPASS	-	-	-	-	-	-	-		
38	COMMON TURN	-	-	-	-	-	-	-		
39	TURN LEFT 1-4	-	-	-	-	-	-	-		
40	TURN RIGHT 1-4	-	-	-	-	-	-	-		
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-		
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-		
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-		
44	TURN R / L 4 / 4	-	-	-	-	-	-	-		
34	POTI "A"	-	-	-	-	-	-	-		
35	POTI "D"	-	-	-	-	-	-	-		
36	POTI "C"	-	-	-	-	-	-	-		
37	POTI "B"	-	-	-	-	-	-	-		
CABLE-NO.: Compact-V_D_R20_18		01	02	03	04	05	06	07	08	09

CODE 6 : ;-;2;3;-;-;-;-;-;

Note: *Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*

CODE 6
CONNECTING DIAGRAM
SAN MARCO

Wire No.	Function:	20-165N	24-205	25-205	27-205	27-800	33-230			
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	3	3	3	3	2	3			
2	COMMON EMERGENCY STOP	3	3	3	3	2	3			
3	EMERGENCY STOP	1	1	1	1	1	1			
4	COMMON TURN	2	2	2	2	7	2			
5	TURN RIGHT 1-4	7	7	7	7	10	7			
6	TURN LEFT 1-4	6	6	6	6	9	6			
7	TURN R / L 4-2 / 2-4	12	-	-	-	15	16			
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
9	POWER SUPPLY N. AC	24	24	24	24	24	24			
10	TURN R / L 4 / 4	-	-	-	-	-	-			
11	COMMON HOIST; WORK / MONTAGE	2	2	2	2	7	2			
12	LOWER 1-3	5	5	5	5	5	5			
13	LIFT 1-3	4	4	4	4	4	4			
14	LIFT / LOWER 3-2 / 2-3	11	11	11	11	13	11			
15	LIFT / LOWER 3 / 3	-	12	12	12	14	12			
16	POS.3 WORK / MONTAGE	-	-	-	-	-	-			
17	COMMON TROLLEY; TRAVEL	2	2	2	2	7	2			
18	TROLLEY FORWARD 1-3	8	8	8	8	12	8			
19	TROLLEY BACKWARD 1-3	9	9	9	9	11	9			
20	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	15			
21	COMMON BRAKE; ON	1	1	1	1	1	1			
22	TRAVEL LEFT	-	15	15	15	-	19			
23	TRAVEL RIGHT	-	14	14	14	-	17			
24	BRAKE NC	-	-	-	-	-	-			
25	BRAKE NO	-	-	-	-	-	-			
26	ON	2	2	2	2	3	2			
27	COMMON HORN; ON / OFF	1	1	1	1	1	1			
28	HORN *NC*	-	-	-	-	-	-			
29	HORN *NO*	10	10	10	10	8	10			
30	ON / OFF NO (set/reset)	-	-	-	-	-	-			
31	ON / OFF NC (set/reset)	-	-	-	-	-	-			
32	BYPASS	-	-	-	-	-	-			
33	COMMON BYPASS	-	-	-	-	-	-			
38	COMMON TURN	-	-	-	-	-	-			
39	TURN LEFT 1-4	-	-	-	-	-	-			
40	TURN RIGHT 1-4	-	-	-	-	-	-			
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-			
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-			
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-			
44	TURN R / L 4 / 4	-	-	-	-	-	-			
34	POTI "A"	-	-	-	-	-	-			
35	POTI "D"	-	-	-	-	-	-			
36	POTI "C"	-	-	-	-	-	-			
37	POTI "B"	-	-	-	-	-	-			
CABLE-NO.: Compact-V_D_R20_15		01	02	03	04	05	06	07	08	09

CODE 6 : ;-;2;3;-;-;-;-;-;

Note: *Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 14 CONNECTING DIAGRAM **PEINER**		Crane Type / Drawing No.:																						
		9	7337	2256	92747	92747	5371		ab024 14430	17697	ab001 19042	ab O43	ab210 14430	17697	8416	8317		ab 001	16607	ab 066			7353	6377C
		100	101	102	103	105	107	108	201_1	201_2	202_1	202_2	203_1	203_2	203_3	203_4	205	206	308_1	308_2	104/1	104/2	106/1_1	106/1_2
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
2	COMMON EMERGENCY STOP	3	3	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1
3	EMERGENCY STOP	1	1	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3
4	COMMON TURN	1	1	5	22	22	22	9	9	9	9	5	9	9	9	1	5	5	5	5	9	9	5	9
5	TURN RIGHT 1-4	12	12	10	15	15	15	14	15	15	15	11	15	15	15	10	11	11	11	11	14	14	10	14
6	TURN LEFT 1-4	11	11	11	16	16	16	15	14	14	14	10	14	14	14	9	10	10	10	10	15	15	11	15
7	TURN R / L 4-2 / 2-4	-	15	-	17	17	13	16	-	-	-	12	-	-	16	11	12	12	12	12	16	16	12	-
8	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	17	-	-	-	13	-	-	-	-	13	13	13	13	-	-	-	-
9	POWER SUPPLY N. AC	24	24	16	24	24	Ext.	24	24	24	5	24	24	24	24	24	24	24	24	24	24	24	24	24
10	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-
11	COM. HOIST ST.1; TROLLEY	1	1	5	22	22	22	9	9	9	9	5	9	9	9	1	5	5	5	5	9	9	5	9
12	LOWER 1-3	6	6	7	11	11	11	11	11	11	11	7	11	11	11	6	7	7	7	7	11	11	7	11
13	LIFT 1-3-3	5	5	6	10	10	10	10	10	10	10	6	10	10	10	6	6	6	6	6	10	10	6	10
14	TROLLEY FORWARD 1-3	9	9	12	18	18	18	19	18	18	18	15	18	18	18	13	15	15	15	15	18	18	13	18
15	TROLLEY BACKWARD 1-3	10	10	13	19	19	19	20	19	19	19	16	19	19	19	14	16	16	16	16	19	19	14	19
16	TROLLEY FWD/BWD 3-2 / 2-3	-	-	-	-	-	24	21	-	-	-	17	-	-	-	-	17	17	-	17	-	-	-	-
17	COM. TRAV.; HOIS. ST.2, 3; BYPASS	1	1	5	22	22	22	9	9	9	9	5	9	9	9	1	5	5	5	5	9	9	5	9
18	TRAVEL LEFT	13	13	14	20	20	20	22	20	20	-	18	20	20	20	15	18	18	18	18	20	20	15	20
19	TRAVEL RIGHT	14	14	15	21	21	21	23	21	21	-	19	21	21	21	16	19	19	19	19	21	21	16	21
20	LIFT / LOWER 3-2 / 2-3	7	7	8	9	9	9	12	12	12	12	8	12	12	12	7	8	8	8	8	12	12	8	12
21	COMMON ON; HORN	1	1	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3
22	LIFT / LOWER 3 / 3	8	8	9	8	8	8	13	13	13	13	9	13	13	13	8	9	9	9	9	13	13	9	13
23	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	HORN *NO*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	ON	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	COMMON 0-POSITION	-	-	-	23, 6, 5	23, 6, 5	23, 6, 5	7, 6, 5	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	7, 6, 5
28	0-POSITION *NC*	-	-	-	22	22	22	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
29	0-POSITION *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	0-POSITION HOIST *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0-POSITION HOIST *NC*	-	-	-	7	7	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
32	BRAKE	-	16	-	-	-	17	18	17	17	17	14	17	17	17	12	14	14	14	14	17	17	17	23
33	COMMON BRAKE	-	1	-	-	-	14	9	9	9	9	5	9	9	9	1	5	5	5	5	9	9	5	22
38	COMMON TURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COMMON TURN ST.2; 3; 4	-	-	-	-	-	-	-	16	16	16	-	16	16	-	-	-	-	-	-	-	-	-	17
42	TURN R / L 4-2 / 2-4	-	-	-	-	-	-	-	22	22	22	-	22	22	-	-	-	-	-	-	-	-	-	16
43	TURN R / L 4-3 / 3-4	-	-	-	-	-	-	-	23	23	23	-	23	23	-	-	-	-	-	-	-	-	-	-
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"																							
35	POTI "D"																							
36	POTI "C"																							
37	POTI "B"																							
CABLE-NO.: Compact-V_D_R20_20		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 14 : ;-;2;3;4;-;-;-;-;	Note:	*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*																						

Subject to change without notice. ***NO - Relay contacts are open in rest position.*** ***NC - Relay contacts are closed in rest position.***

CODE 14 CONNECTING DIAGRAM **PEINER**		Crane Type / Drawing No.:																						
			5371		9027A	10736	14400	14445		ab 515	14400	9819a	76027	9819a	17084									
		106/2	107/1	107/2	108/1	108/2_1	108/2_2	108/2_3	203/1_1	203/1_2	205/1	SK56_1	SK56_2	SK76	203/1									
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
2	COMMON EMERGENCY STOP	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
3	EMERGENCY STOP	3	3	3	3	3	3	3	3	3	3	3	3	3	3									
4	COMMON TURN	9	22	9	9	9	9	9	9	5	5	9	9	9	9									
5	TURN RIGHT 1-4	14	15	14	15	14	14	14	15	11	11	14	14	14	15									
6	TURN LEFT 1-4	15	16	15	14	15	15	15	14	10	10	15	15	15	14									
7	TURN R / L 4-2 / 2-4	-	13	-	16	16	16	16	-	12	12	16	16	16	-									
8	TURN R / L 4-3 / 3-4	-	-	-	17	17	17	17	-	13	13	17	17	17	-									
9	POWER SUPPLY N. AC	Ext.	Ext.	Ext.	18	18	Ext.	Ext.	5	24	24	32	32	32	5									
10	TURN R / L 4 / 4	-	-	-	-	-	18	18	-	-	22	-	-	-	-									
11	COM. HOIST ST.1; TROLLEY	9	22	9	9	9	9	9	9	5	5	9	9	9	9									
12	LOWER 1-3	11	11	11	11	11	11	11	11	7	7	11	11	11	11									
13	LIFT 1-3-3	10	10	10	10	10	10	10	10	6	6	10	10	10	10									
14	TROLLEY FORWARD 1-3	19	18	18	19	19	19	19	18	15	15	19	19	19	18									
15	TROLLEY BACKWARD 1-3	20	19	19	20	20	20	20	19	16	16	20	20	20	19									
16	TROLLEY FWD/BWD 3-2 / 2-3	21	24	24	21	21	21	21	24	17	17	-	21	21	7									
17	COM. TRAV.; HOIS. ST.2, 3; BYPASS	9	22	9	9	9	9	9	9	5	5	9	9	9	9									
18	TRAVEL LEFT	22	20	20	22	22	22	22	20	18	18	22	22	22	20									
19	TRAVEL RIGHT	23	21	21	23	23	23	23	21	19	19	23	23	23	21									
20	LIFT / LOWER 3-2 / 2-3	12	9	12	12	12	12	12	12	8	8	12	12	12	12									
21	COMMON ON; HORN	3	3	3	3	3	3	3	3	3	3	3	3	3	3									
22	LIFT / LOWER 3 / 3	13	8	13	13	13	13	13	13	9	9	13	13	13	13									
23	BYPASS	-	-	-	-	-	-	-	-	-	-	-	-	18	-									
24	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
25	HORN *NO*	4	4	4	4	4	4	4	4	4	4	4	4	4	4									
26	ON	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
27	COMMON 0-POSITION	7, 6, 5	23, 6, 5	7, 6, 5	7, 6, 5	7, 6, 5	7, 6, 5	7, 6, 5	-	-	-	7, 6, 5	7, 6, 5	7, 6, 5	-									
28	0-POSITION *NC*	9	22	9	9	9	9	9	-	-	-	9	9	9	-									
29	0-POSITION *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
30	0-POSITION HOIST *NO*	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
31	0-POSITION HOIST *NC*	8	7	8	8	8	8	8	-	-	-	8	8	8	-									
32	BRAKE	24	17	23	24	24	24	24	17	14	14	24	24	24	17									
33	COMMON BRAKE	9	14	22	9	9	9	9	9	5	5	9	9	9	9									
38	COMMON TURN	9	22	9	9	9	9	9	9	5	5	9	9	9	9									
39	TURN LEFT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
40	TURN RIGHT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
41	COMMON TURN ST.2; 3; 4	17	-	17	-	-	-	-	16	-	-	-	-	-	16									
42	TURN R / L 4-2 / 2-4	16	-	16	-	-	-	-	22	-	-	-	-	-	22									
43	TURN R / L 4-3 / 3-4	18	-	-	-	-	-	-	23	-	-	-	-	-	23									
44	TURN R / L 4 / 4	-	-	-	-	-	-	-	-	-		-	-	-	-									
34	POTI "A"																							
35	POTI "D"																							
36	POTI "C"																							
37	POTI "B"																							
CABLE-NO.: Compact-V_D_R20_20		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 14 : ;-;2;3;4;-;-;-;-; Note:		*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*																						

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 15
CONNECTING DIAGRAM
KRØLL

Wire No.	Function:	Crane Type / Drawing No. Nr.:162 K-36/39 Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	1		
2	COMMON EMERGENCY STOP	1		
3	EMERGENCY STOP	3		
4	COMMON TROLLEY; TURN ST.3	25		
5	TROLLEY FORWARD 1-3	-		
6	TROLLEY FORWARD 2-3	-		
7	TROLLEY BACKWARD 1-3	24		
8	TROLLEY BACKWARD 2-3	27		
9	POWER SUPPLY N. AC	2		
10	TURN R / L 4-3 / 3-4	-		
11	COMMON H0IST	5		
12	LOWER 1-3	9		
13	LIFT 1-3	8		
14	LOWER 2-3	10		
15	LIFT 2-3	10		
16	LIFT / LOWER 3 / 3	11		
17	COMMON TURN	5		
18	TURN RIGHT 1-4	18		
19	TURN RIGHT 2-4	19		
20	TURN LEFT 1-4	17		
21	COMMON HORN; ON	3		
22	TURN LEFT 2-4	19		
23	0-POSITION TURN	-		
24	HORN *NC*	-		
25	HORN *NO*	32		
26	ON	4		
27	COMMON BRAKE; 0-POSITION HOIST	5		
28	BRAKE *NC*	20		
29	BRAKE *NO*	-		
30	LIFT / LOWER 3-1 / 1-3	-		
31	0-POSITION HOIST	-		
32	2/4 PART WIRE	7		
33	COMMON 2/4 PART WIRE	6		
38	COMMON TROLLEY FWD ST.1, 2	22		
39	TROLLEY FORWARD 2-3	26		
40	TROLLEY FORWARD 1-3	23		
41	COMMON TROLLEY BWD ST.1, 2	-		
42	TROLLEY BACKWARD 1-3	-		
43	TROLLEY BACKWARD 2-3	-		
44				
34	POTI "A"	-		
35	POTI "D"	-		
36	POTI "C"	-		
37	POTI "B"	-		
CABLE-NO.: Compact-V_D_R20_21		01	02	03

CODE 15 : ;1;2;3;4;-;-;-;-;

Note:

CODE 16
CONNECTING DIAGRAM
KRØLL

Wire No.	Function:	Crane Type / Drawing No. 76436 K-35 K30/33 Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	31	31	
2	COMMON EMERGENCY STOP	16	16	
3	EMERGENCY STOP	1	1	
4	COMMON TROLLEY; TRAVEL	1	1	
5	TROLLEY FORWARD 1-3	12	12	
6	TROLLEY BACKWARD 1-3	13	13	
7	TROLLEY FWD/BWD 3-2/2-3	-	-	
8	TRAVEL LEFT 1-3	7	7	
9	POWER SUPPLY N. AC	32	32	
10	TRAVEL RIGHT 1-3	6	6	
11	COMMON H0IST	18	18	
12	LOWER 1-3	5	5	
13	LIFT 1-3	4	4	
14	LIFT / LOWER 3-2/2-3	2	2	
15	LIFT / LOWER 3 / 3	19	19	
16	0-POSITION HOIST	-	-	
17	COMMON TURN	1	1	
18	TURN RIGHT 1-4	9	9	
19	TURN RIGHT 2-4	11	11	
20	TURN LEFT 1-4	8	8	
21	COMMON HORN; ON	29	29	
22	TURN LEFT 2-4	10	10	
23	TURN LEFT/RIGHT 4-3/3-4	28	28	
24	HORN *NC*	-		
25	HORN *NO*	15	15	
26	ON	30	30	
27	COMMON BRAKE; TRAVEL ST.2	25	1	
28	BRAKE *NC*	26	-	
29	BRAKE *NO*	-	-	
30	TRAVEL LEFT/RIGHT 3-2/2-3	21	21	
31				
32	2/4 PART WIRE	24	24	
33	COMMON 2/4 PART WIRE	23	23	
38	COMMON TROLLEY ST.1	-		
39	TROLLEY BACKWARD 1-3	-		
40	TROLLEY FORWARD 1-3	-		
41	COMMON TROLLEY ST.2; TRAVEL	-		
42	TROLLEY FWD/BWD 3-2/2-3	-		
43	TRAVEL LEFT 1-3	-		
44	TRAVEL RIGHT 1-3	-		
34	POTI "A"	-		
35	POTI "D"	-		
36	POTI "C"	-		
37	POTI "B"	-		
CABLE-NO.: Compact-V_D_R20_22		01	02	03

CODE 16 : ;-;-;-;-;5;-;-;-;

Note:

CODE 17
CONNECTING DIAGRAM
KRØLL

Wire No.	Function:	Crane Type / Drawing No. K-60 Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	27		
2	COMMON EMERGENCY STOP	27		
3	EMERGENCY STOP	1		
4	COMMON TURN	1		
5	TURN RIGHT 1-2	16		
6	TURN LEFT 1-2	15		
7	TURN RIGHT 2-4	17		
8	TURN LEFT 2-4	18		
9	POWER SUPPLY N. AC	28		
10	TURN RIGHT 3-4	21		
11	COMMON H0IST	9		
12	LOWER 1-3	7		
13	LIFT 1-3	6		
14	LOWER 2-3	3		
15	LIFT 2-3	2		
16	LIFT / LOWER 3 / 3	4		
17	COMMON TROLLEY; TURN; HORN	1		
18	TURN LEFT 3-4	20		
19	TROLLEY BACKWARD 1-3	23		
20	TROLLEY BACKWARD 2-3	25		
21	COMMON BRAKE; ON	1		
22	TROLLEY BACKWARD 1-3	26		
23	HORN	32		
24	BRAKE *NC*	19		
25	BRAKE *NO*	-		
26	ON	-		
27	COMMON TROLLEY FWD	29		
28		-		
29	TROLLEY FORWARD 1-3	22		
30	TROLLEY FORWARD 2-3	24		
31		-		
32	TROLLEY FORWARD 1-3	26		
33	COMMON TROLLEY FWD	29		
38	COMMON TURN	-		
39	TURN LEFT 1-2	-		
40	TURN RIGHT 1-2	-		
41	COMMON TURN	-		
42	TURN RIGHT 2-4	-		
43	TURN LEFT 2-4	-		
44	TURN RIGHT 3-4	-		
34	POTI "A"	-		
35	POTI "D"	-		
36	POTI "C"	-		
37	POTI "B"	-		
CABLE-NO.: Compact-V_D_R20_23		01	02	23

CODE 17 : ;1;-;-;-;5;-;-;-;

Note:

Subject to change without notice.

CODE 18 CONNECTING DIAGRAM **LIEBHERR**		Crane Type / Drawing No.:																						
		4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005	4005
		2967	2954	21308	21385	2883	2895	2916	21018	2753	21495	2955	21074	21322	21346	21395	21140	21216	21433	21091	21026	21101	21263	21449
		13K_2	20K_7	20K_8	20K_9	20K_10	20K_11	20K_12	21K_2	22K32_2	26/32K_2	27K_3	27K_4	28K_4	28K_5	28K_6	33K_2	35K_2	35K_3	40K_2	48K_2	48.1K_2	50K_3	50K_4
Wire No.	**Function:**	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	COMMON EMERGENCY STOP	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	EMERGENCY STOP	5	5	5	5	3	3	3	5	3	3	5	5	5	5	3	5	5	3	3	5	5	5	3
4	COM. HOIST; WORK/MONTAGE	3	3	3	3	4	4	4	3	4	7	3	3	3	3	7	3	3	7	3	3	3	3	7
5	LOWER 1-3	18	18	18	18	6	6	6	18	6	21	18	18	18	18	21	18	18	21	18	20	18	20	21
6	LIFT 1-3	17	17	17	17	5	5	5	17	5	20	17	17	17	17	20	17	17	20	17	19	17	19	20
7	LIFT / LOWER 3-2 / 2-3	19	19	19	19	7	7	7	19	7	23	19	19	19	19	23	19	19	23	19	21	19	21	23
8	LIFT / LOWER 3 / 3	20	20	20	20	8	8	8	20	8	24	20	20	20	20	24	20	20	24	20	22	20	22	24
9	POWER SUPPLY N. AC	1	1	1	24	24	24	24	1	24	1	1	1	1	1	1	1	External	1	24	1	1	1	1
10	WORK / MONTAGE POS.3	22	22	22	-	-	-	-	22	-	19	22	22	22	22	19	22	22	19	-	18	-	18	19
11	COMMON TURN	3	3	3	3	4	4	4	3	4	7	3	3	3	3	7	3	3	7	3	3	3	3	7
12	TURN RIGHT 1-4	7	7	7	7	13	13	13	7	13	9	7	7	7	7	9	7	7	9	7	7	7	7	9
13	TURN LEFT 1-4	8	8	8	8	14	14	14	8	14	10	8	8	8	8	10	8	8	10	8	8	8	8	10
14	TURN R / L 4-2 / 2-4	9	9	9	9	-	-	-	9	15	11	9	9	9	9	11	9	9	11	9	9	21	9	-
15	TURN R / L 4-3 / 3-4	11	11	11	11	-	-	-	11	-	12	11	11	11	11	12	11	11	12	11	10	22	10	12
16	TURN R / L 4 / 4	21	21	21	21	-	-	-	21	-	-	21	21	21	21	-	21	21	-	21	11	9	11	-
17	COM. TROL.; TRAVEL	3	3	3	3	4	4	4	3	4	7	3	3	3	3	7	3	3	7	3	3	3	3	7
18	TROLLEY FORWARD 1-3	15	15	15	15	10	10	10	15	10	17	15	15	15	15	17	15	15	17	15	16	15	16	17
19	TROLLEY BACKWARD 1-3	14	14	14	14	9	9	9	14	9	16	14	14	14	14	16	14	14	16	14	15	14	15	16
20	TROLLEY FWD/BWD 3-2 / 2-3	16	16	16	16	-	-	-	16	-	18	16	16	16	16	18	16	16	18	16	17	16	17	18
21	COMMON BRAKE; ON	5	5	5	5	3	3	3	5	3	3	5	5	5	5	3	5	5	3	5	5	5	5	3
22	TRAVEL LEFT	13	13	13	13	12	12	12	13	12	15	13	13	13	13	15	13	13	15	13	14	13	14	15
23	TRAVEL RIGHT	12	12	12	12	11	11	11	12	11	14	12	12	12	12	14	12	12	14	12	13	12	13	14
24	BRAKE *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	BRAKE *NO*	10	10	10	10	16	16	16	10	16	13	10	10	10	10	13	10	10	13	10	12	10	12	13
26	ON	4	4	4	4	2	2	2	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27	COM. HORN; ON / OFF	5	5	5	5	3	3	3	5	3	3	5	5	5	5	3	5	5	3	3	5	5	5	3
28	HORN *NC*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	HORN *NO*	6	6	6	6	17	17	17	6	17	8	6	6	6	6	8	6	6	8	6	6	6	6	8
30	ON / OFF *NO (set/reset)*	-	-	-	-	-	-	-	-	-	6	-	-	-	-	6	-	-	6	-	-	-	-	6
31	ON / OFF *NC (set/reset)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	BYPASS	24	24	24	-	-	-	-	24	-	22	24	24	24	24	22	24	24	22	-	23	-	23	22
33	COMMON BYPASS	23	23	23	-	-	-	-	23	-	7	23	23	23	23	7	23	23	7	-	3	-	3	7
38	COMMON HOIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	LOWER 1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	LIFT 1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	COM. HOIST; WORK/MONTAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
42	LIFT / LOWER 3-2 / 2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
43	LIFT / LOWER 3 / 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	WORK / MONTAGE POS.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	POTI "A"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	POTI "D"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	POTI "C"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	POTI "B"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CABLE-NO.: Compact-V_D_R20_16		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CODE 18: ;-;2;-;-;5;-;-;-;	Note:	*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*																						

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.

CODE 18 CONNECTING DIAGRAM **LIEBHERR**		Crane Type / Drawing No.:								
		4005 21101	4005 21101	4005 21206	4005 21263					
		60K_3	60K_4	60K_5	63K_2					
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC	2	2	2	2					
2	COMMON EMERGENCY STOP	2	2	2	2					
3	EMERGENCY STOP	5	5	5	5					
4	COM. HOIST; WORK/MONTAGE	3	3	3	3					
5	LOWER 1-3	7	18	18	20					
6	LIFT 1-3	8	17	17	19					
7	LIFT / LOWER 3-2 / 2-3	21	19	19	21					
8	LIFT / LOWER 3 / 3	22	20	20	22					
9	POWER SUPPLY N. AC	1	1	1	1					
10	WORK / MONTAGE POS.3	9	-	-	18					
11	COMMON TURN	3	3	3	3					
12	TURN RIGHT 1-4	18	7	7	7					
13	TURN LEFT 1-4	17	8	8	8					
14	TURN R / L 4-2 / 2-4	19	21	21	9					
15	TURN R / L 4-3 / 3-4	20	22	22	10					
16	TURN R / L 4 / 4	-	9	9	11					
17	COM. TROL.; TRAVEL	3	3	3	3					
18	TROLLEY FORWARD 1-3	15	15	15	16					
19	TROLLEY BACKWARD 1-3	14	14	14	15					
20	TROLLEY FWD/BWD 3-2 / 2-3	16	16	16	17					
21	COMMON BRAKE; ON	5	5	5	5					
22	TRAVEL LEFT	13	13	13	14					
23	TRAVEL RIGHT	12	12	12	13					
24	BRAKE *NC*									
25	BRAKE *NO*	10	10	10	12					
26	ON	4	4	4	4					
27	COM. HORN; ON / OFF	5	5	5	5					
28	HORN *NC*									
29	HORN *NO*	6	6	6	6					
30	ON / OFF *NO (set/reset)*	-	-	-	-					
31	ON / OFF *NC (set/reset)*									
32	BYPASS	-	-	-	23					
33	COMMON BYPASS	-	-	-	3					
38	COMMON HOIST	-	-	-	-					
39	LOWER 1-3	-	-	-	-					
40	LIFT 1-3	-	-	-	-					
41	COM. HOIST; WORK/MONTAGE	-	-	-	-					
42	LIFT / LOWER 3-2 / 2-3	-	-	-	-					
43	LIFT / LOWER 3 / 3	-	-	-	-					
44	WORK / MONTAGE POS.3	-	-	-	-					
34	POTI "A"	-	-	-	-					
35	POTI "D"	-	-	-	-					
36	POTI "C"	-	-	-	-					
37	POTI "B"	-	-	-	-					
CABLE-NO.: Compact-V_D_R20_16		01	02	03	04	05	06	07	08	09
CODE 18: ;-;2;-;-;5;-;-;-;	Note:	*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*								

CODE 18 CONNECTING DIAGRAM		Crane Type / Drawing No.:								
Wire No.	Function:	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
1	POWER SUPPLY PH. AC									
2	COMMON EMERGENCY STOP									
3	EMERGENCY STOP									
4	COM. HOIST; WORK/MONTAGE									
5	LOWER 1-3									
6	LIFT 1-3									
7	LIFT / LOWER 3-2 / 2-3									
8	LIFT / LOWER 3 / 3									
9	POWER SUPPLY N. AC									
10	WORK / MONTAGE POS.3									
11	COMMON TURN									
12	TURN RIGHT 1-4									
13	TURN LEFT 1-4									
14	TURN R / L 4-2 / 2-4									
15	TURN R / L 4-3 / 3-4									
16	TURN R / L 4 / 4									
17	COM. TROL.; TRAVEL									
18	TROLLEY FORWARD 1-3									
19	TROLLEY BACKWARD 1-3									
20	TROLLEY FWD/BWD 3-2 / 2-3									
21	COMMON BRAKE; ON									
22	TRAVEL LEFT									
23	TRAVEL RIGHT									
24	BRAKE *NC*									
25	BRAKE *NO*									
26	ON									
27	COM. HORN; ON / OFF									
28	HORN *NC*									
29	HORN *NO*									
30	ON / OFF *NO (set/reset)*									
31	ON / OFF *NC (set/reset)*									
32	BYPASS									
33	COMMON BYPASS									
38	COMMON HOIST									
39	LOWER 1-3									
40	LIFT 1-3									
41	COM. HOIST; WORK/MONTAGE									
42	LIFT / LOWER 3-2 / 2-3									
43	LIFT / LOWER 3 / 3									
44	WORK / MONTAGE POS.3									
34	POTI "A"									
35	POTI "D"									
36	POTI "C"									
37	POTI "B"									
CABLE-NO.: Compact-V_D_R20_16		01	02	03	04	05	06	07	08	09
	Note:	*Relay BRAKE works in inverted condition and is activated by relay EMERGENCY STOP!*								

Subject to change without notice.

NO - Relay contacts are open in rest position.

NC - Relay contacts are closed in rest position.