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Charge indicator

generator D+	wire harness machine engine plug XMNT:2	wire harness machine disconnect XM1:2	input plug control module X3:20	warning lamp
blue	blue	blue	blue	
12V	12V	12V	12V	OFF

only with running engine

Oil pressure indicator

oil pressure switch S5	wire harness machine engine plug XMNT:6	wire harness machine disconnect XM1:3	input plug control module X3:3	warning lamp
green	green	green	green	
0V	0V	0V	0V	ON

Air filter indicator

maintenance switch air filter S4	wire harness machine disconnect XM1:6	input plug control module X3:4	warning lamp
blue / white	blue / white	blue / white	
0V	0V	0V	ON

Hydraulic oil filter indicator

maintenance switch hydraulic oil filter S7	wire harness machine disconnect XM2:2	input plug control module X3:5	warning lamp
green / yellow	green / yellow	green / yellow	
0V	0V	0V	ON

Hydraulic oil level


oil level transmitter B20	wire harness machine disconnect XM2:6	input plug control module X3:6	warning lamp
green / white / violet	green / white / violet	green / white / violet	
0V	0V	0V	ON

Accumulator charge pressure indicator

pressure switch S44	wire harness machine disconnect XM1:8	input plug control module X3:23	warning lamp
blue / brown	blue / brown	blue / brown	
12V	12V	12V	ON

Flasher indicator

flasher relay K11:C	input plug control module X3:28	warning lamp
black / white / green	black / white / green	
12V	12V	ON

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High beam indicator

steering column switch S8:1	wire harness floor frame disconnect XB2:5	fuse F15:2	input plug control module X3:34	warning lamp
white	white	white	white	
12V	12V	12V	12V	ON

Starting safety

switch forward S43:2	input plug control module X3:32	switch reverse S43:1	input plug control module X3:24	pre-heat/ starter switch S1:50a	control module X3:1
grey	grey	black	black	red	red
0V	0V	0V	0V	12V	12V

only when key
is in start
position

output plug control module X2:17	wire harness machine disconnect XM1:5	starter box: relay K02:86	starter box: fuse F02:2	starter box: relay K02:30	starter box: relay K02:87	wire harness machine engine plug XMGE:1
red	red	red	red	red	red	red
12V	12V	12V	12V	12V	12V	12V

Fast/ slow

switch S5:1	input plug control module X3:14	output plug control module X2:4	wire harness machine disconnect XM2:15	valve Y6:1	output plug control module X2:3	wire harness machine disconnect XM2:16	valve Y5:1
red / yellow	red / yellow	red	red	red	red	red	red
12V	12V	12V	12V	12V	12V	12V	12V

Sensitive travel

switch S39:1	input plug control module X3:30	wire harness floor frame: armrest switch S29:2	wire harness floor frame disconnect XB1:12	input plug control module X3:11
red / blue	red / blue	blue / yellow	blue / yellow	blue / yellow
12V	12V	12V	12V	12V

output plug control module X2:14	wire harness machine disconnect XM2:18	valve Y13:1
blue / red	blue / red	blue / red
12V	12V	12V

Travel forward

switch forward S43:2	input plug control module X3:32	switch reverse S43:1	input plug control module X3:24	switch parking brake S42:1	input plug control module X3:27	wire harness machine pressure switch axle lock S41:2	wire harness floor frame disconnect XB1:3	input plug control module X3:22
grey	grey	black	black	black / blue / green	black / blue / green	red / black	red / black	red / black
12V	12V	0V	0V	0V	0V	0V	0V	0V

switch sensitive travel S39:1	input plug control module X3:30	wire harness floor frame: armrest switch S29:2	wire harness floor frame disconnect XB1:12	input plug control module X3:11	wire harness machine: proximity switch stairs B9:C	wire harness machine disconnect XM1:10	input plug control module X3:10
red / blue	red / blue	blue / yellow	blue / yellow	blue / yellow	blue / yellow / green	blue / yellow / green	blue / yellow / green
0V	0V	12V	12V	12V	12V	12V	12V

output plug control module X2:11	wire harness machine disconnect XM2:19	valve Y14:1	warning lamp
grey	grey	grey	
12V	12V	12V	ON

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**Travel
reverse**

switch forward S43:2	input plug control module X3:32	switch reverse S43:1	input plug control module X3:24	switch parking brake S42:1	input plug control module X3:27	wire harness machine pressure switch axle lock S41:2	wire harness floor frame disconnect XB1:3	input plug control module X3:22
grey	grey	black	black	black / blue / green	black / blue / green	red / black	red / black	red / black
0V	0V	12V	12V	0V	0V	0V	0V	0V

switch sensitive travel S39:1	input plug control module X3:30	wire harness floor frame: armrest switch S29:2	wire harness floor frame disconnect XB1:12	input plug control module X3:11	wire harness machine: proximity switch stairs B9:C	wire harness machine disconnect XM1:10	input plug control module X3:10
red / blue	red / blue	blue / yellow	blue / yellow	blue / yellow	blue / yellow / green	blue / yellow / green	blue / yellow / green
0V	0V	12V	12V	12V	12V	12V	12V

output plug control module X2:12	wire harness machine disconnect XM2:20	valve Y15:1	warning lamp
black	black	black	
12V	12V	12V	ON

Flushing

wire harness machine pressure switch axle lock S41:2	wire harness floor frame disconnect XB1:3	input plug control module X3:22
red / black	red / black	red / black
12V	12V	12V

output plug control module X2:6	wire harness machine disconnect XM2:21	valve Y16:1
black / white	black / white	black / white
12V	12V	12V

**Parking
brake**


switch S42:1	input plug control module X3:27	output plug control module X2:8	wire harness machine disconnect XM2:3	valve Y10:1	warning lamp
black / blue / green	black / blue / green	black / blue / green	black / blue / green	black / blue / green	
12V	12V	0V	0V	0V	ON

Stop light

wire harness floor frame pressure switch stop light S40:2	wire harness floor frame disconnect XB1:2	input plug control module X3:21
black / red	black / red	black / red
12V	12V	12V

when pressure switch excavator brake is actuated
switches off stop light automatically after approx. 1 minute

add. module plug X1:2	wire harness floor frame disconnect XBL:9	plug left-hand rear light pin 4	wire harness floor frame disconnect XBL:10	plug right-hand rear light pin 4
black / red	black / red	black / red	black / red	black / red
12V	12V	12V	12V	12V

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Steering inversion

switch steering inversion S38:1	input plug control module X3:33
red / blue	red / blue
12V	12V

output plug control module X2:13	additional wire harness XU1:1	valve Y12:1
red / blue	red / blue	red / blue
12V	12V	12V

Oscillating axle lock

wire harness floor frame pressure switch excavator brake S41:2	wire harness floor frame disconnect XB1:3	input plug control module X3:22
red / black	red / black	red / black
12V	12V	12V

switch oscillating axle lock S37:1	input plug control module X3:26
red / black	red / black
12V	12V

output plug control module X2:7	wire harness floor frame disconnect XB1:7	valve Y11:1
red / black	red / black	red / black
0V	0V	0V

output plug control module X2:7	wire harness floor frame disconnect XB1:7	valve Y11:1
red / black	red / black	red / black
0V	0V	0V

Working hydraulics

switch working hydraulics S36:1	input plug control module X3:29	wire harness floor frame: armrest switch S29:2	wire harness floor frame disconnect XB1:12	input plug control module X3:11	wire harness machine: proximity switch stairs B9:C	wire harness machine disconnect XM1:10	input plug control module X3:10
blue / yellow	blue / yellow	blue / yellow	blue / yellow	blue / yellow	blue / yellow / green	blue / yellow / green	blue / yellow / green
12V	12V	12V	12V	12V	12V	12V	12V

output plug control module X2:1	wire harness floor frame disconnect XB1:13	valve Y3:1
blue / yellow	blue / yellow	blue / yellow
12V	12V	12V

Front dozer blade

switch front dozer blade S8:1	input plug control module X3:31
red / black	red / black
12V	12V

output plug control module X2:10	wire harness machine disconnect XM2:22	valve Y17:1
blue / red	blue / red	blue / red
12V	12V	12V

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Breaker

switch breaker operation S15:1	input plug control module X3:12	pushbutton right-hand joystick S25:2	input plug additional module X1:7
brown / yellow	brown / yellow	blue / black	blue / black
12V	12V	12V	12V

switch breaker operation S15:1	input plug control module X3:12	pushbutton right-hand joystick S25:1	input plug additional module X1:8
brown / yellow	brown / yellow	red / black	red / black
12V	12V	12V	12V

output plug additional module X2:2	wire harness floor frame disconnect XB1:14	valve Y4:1
brown / yellow	brown / yellow	brown / yellow
12V	12V	12V

output plug additional module X2:2	wire harness floor frame disconnect XB1:14	valve Y4:1
brown / yellow	brown / yellow	brown / yellow
12V	12V	12V

Swing brake

pushbutton left-hand joystick S22:2	wire harness floor frame disconnect XB2:9	input plug additional module X1:12	output plug additional module X2:20	wire harness machine disconnect XM1:16	valve Y22:1
blue / red	blue / red	blue / red	blue / red	blue / red	blue / red
12V	12V	12V	12V	12V	12V

Articulation

pushbutton right-hand joystick S24:2	input plug add. module X1:11	output plug add. module X2:16	wire harness machine disconnect XM1:13	valve Y20:1	output plug add. module X2:17	wire harness machine disconnect XM1:14	valve Y21:1	
orange	orange	orange	orange	orange	violet	violet	violet	
12V	12V	12V	12V	12V	12V	12V	12V	

Additional control circuit I

switch breaker operation S15:1	input plug control module X3:12	pushbutton right-hand joystick S25:2	input plug add. module X1:7
brown / yellow	brown / yellow	blue / black	blue / black
0V	0V	12V	12V

switch breaker operation S15:1	input plug control module X3:12	pushbutton right-hand joystick S25:1	input plug add. module X1:8
brown / yellow	brown / yellow	red / black	red / black
0V	0V	12V	12V

output plug add. module X2:13	wire harness machine disconnect XM1:11	valve Y18:1
blue / black	blue / black	blue / black
12V	12V	12V

output plug add. module X2:14	wire harness machine disconnect XM1:12	valve Y19:1
red / black	red / black	red / black
12V	12V	12V


Additional control circuit II

pushbutton left-hand joystick S21:2	wire harness floor frame disconnect XB1:4	input plug add. module X1:9
blue / black	blue / black	blue / black
12V	12V	12V

pushbutton left-hand joystick S21:1	wire harness floor frame disconnect XB1:6	input plug add. module X1:10
red / black	red / black	red / black
12V	12V	12V

output plug add. module X2:18	wire harness machine disconnect XM3:2	valve Y23:1
blue / black	blue / black	blue / black
12V	12V	12V

output plug add. module X2:19	wire harness machine disconnect XM3:3	valve Y24:1
red / black	red / black	red / black
12V	12V	12V

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