

Signals collected - LOADER_CRANE_EVO

NAME	DESCRIPTION	DATA_TYPE	UNIT
SpaceEvoSerialNumber	Serial number of Space EVO device	string	None
SpaceEvoGidListVersionGw	GidList file version in Gateway	string	None
SpaceEvoGidListVersionEvo	GidList file version in Space EVO	string	None
OLP_State_Release	OLP State Release	bool	x
Angle_4B	angle of the 4th boom relative to the previous booms	int16	degree
Angle_slew	crane slew angle relative to the base and column	int16	degree
Angle_1B_Joint	angle of the 1st boom relative to the column	int16	degree
Angle_2B_Joint	angle of the 2nd boom relative to the previous boom	int16	degree
Angle_3B_Joint	angle of the 3rd boom relative to the previous booms	int16	degree
Analogue_hoist_load	calculated hoist load from pressure	int16	%
ADCC_Hoist_Rope_End	calculated hoist rope end from sensor	uint8	x
XSD2_Release_button	raw button value for xsdrive 2 release button	bool	x
RC_CD4_stop_switch_1_status	raw button value for combi drive 4 stop switch 1 status	bool	x
RC_CD4_stop_switch_2_status	raw button value for combi drive 4 stop switch 2 status	bool	x
RC_XSD2_stop_switch_1_status	raw button value for xsdrive 2 stop switch 1 status	uint8	x
RC_XSD2_stop_switch_2_status	raw button value for xsdrive 2 stop switch 2 status	uint8	x
XSD2_Speed_button	raw button value for xsdrive 2 speed button	bool	x
XSD2_Horn_button	raw button value for xsdrive 2 horn button	bool	x
Length_Main_A_Stab_Ext	measured length of main stabiliser extension on a side	uint16	m
Length_Main_B_Stab_Ext	measured length of main stabiliser extension on b side	uint16	m
Length_Aux_Left_Stab_Ext	measured length of auxiliary stabiliser extension on left side	uint16	m
Length_Aux_Right_Stab_Ext	measured length of auxiliary stabiliser extension on right side	uint16	m
Length_Rear_Left_Stab_Ext	measured length of rear stabiliser extensions	uint16	m
Pressure_1b_piston	pressure on the piston side of the 1st boom cylinder	int16	bar
Pressure_1b_rod	pressure on the rod side of the 1st boom cylinder	int16	bar
Pressure_2b_piston	pressure on the piston side of the 2nd boom cylinder	int16	bar
XSD2_Menu_Increase_button	raw button value for xsdrive 2 menu up button	bool	x
XSD2_Menu_Decrease_button	raw button value for xsdrive 2 menu down button	bool	x
Emergency_stop_out_pulse	pulsing signal output for emergency stop loop	bool	x
Emergency_stop_in_pulse	stop loop signal input	bool	x
Emergency_stop_in_state	stop button status	bool	x
CD4_Lever1	raw lever 1 value from combi drive 4 controler	int8	%
CD4_Lever2	raw lever 2 value from combi drive 4 controler	int8	%
CD4_Lever3	raw lever 3 value from combi drive 4 controler	int8	%
CD4_Lever4	raw lever 4 value from combi drive 4 controler	int8	%
CD4_Lever5	raw lever 5 value from combi drive 4 controler	int8	%
CD4_Lever6	raw lever 6 value from combi drive 4 controler	int8	%
CD4_Lever7	raw lever 7 value from combi drive 4 controler	int8	%

NAME	DESCRIPTION	DATA_TYPE	UNIT
CD4_Lever8	raw lever 8 value from combi drive 4 controler	int8	%
CAN_Len_Stab_Ext_Aux_Left	auxiliary stabiliser left extension position value from senor	uint32	m
CAN_Len_Stab_Ext_Aux_Right	auxiliary stabiliser right extension position value from senor	uint32	m
CAN_Len_Stab_Ext_Rear_Left	rear stabiliser extension position value from senor	uint32	m
CAN_Len_Stab_Ext_Main_A_Side	main stabiliser a side extension posiion value from senor	uint32	m
CAN_Len_Stab_Ext_Main_B_Side	main stabiliser b side extension posiion value from senor	uint32	m
relative1BLoad	relative load pressure for the 1st boom, in %	int32	%
RCLH_crane_function_slew	position of the remote lever in %	int8	%
RCLH_crane_function_1B	position of the remote lever in %	int8	%
RCLH_crane_function_2B	position of the remote lever in %	int8	%
RCLH_crane_function_2B_Extensions	position of the remote lever in %	int8	%
RCLH_crane_function_3B	position of the remote lever in %	int8	%
RCLH_crane_function_3B_Extensions	position of the remote lever in %	int8	%
RCLH_crane_function_hoist	position of the remote lever in %	int8	%
RCLH_crane_function_tool1	position of the remote lever in %	int8	%
RCLH_crane_function_tool2	position of the remote lever in %	int8	%
RCLH_crane_function_tool3	position of the remote lever in %	int8	%
RCLH_crane_function_tool4	position of the remote lever in %	int8	%
Parking_brake	parking brake is engaged	bool	x
CD4_Crane_button	raw button value for cd4 crane button	uint8	x
CD4_Stabiliser_button	raw button value for cd4 stabiliser button	uint8	x
CD4_Onoff_button	raw button value for cd4 on / off button	uint8	x
CD4_OK_button	raw button value for cd4 ok button	uint8	x
CD4_Settings_button	raw button value for cd4 settings button	uint8	x
CD4_Release_button	raw button value for cd4 release button	uint8	x
CD4_Speed_button	raw button value for cd4 speed button	uint8	x
CD4_Horn_button	raw button value for cd4 horn button	uint8	x
RCLH_All_levers_in_neutral	true if all remote levers are in neutral	bool	x
UI_Stabiliser_button_active	user interface button state for stabiliser function	bool	x
UI_Release_button_active	user interface button state for release function	bool	x
UI_Horn_button_active	user interface button state for horn function	bool	x
UI_Remote_button_active	user interface button state for remote function	bool	x
UI_Manual_Extensions_button_active	user interface button state for manual extensions function	bool	x
Audible_Control	horn operation mode	uint8	x
Main_Stabiliser_Extension_A_In	main stabiliser extension on a side fully in. detected by proximity switch or absolute length sensor.	bool	x
Main_Stabiliser_Extension_B_In	main stabiliser extension on b side fully in. detected by proximity switch or absolute length sensor.	bool	x
Pressure_2b_rod	pressure on the rod side of the 2nd boom cylinder	int16	bar
Pressure_main_A_side_leg_piston	pressure piston side main stabiliser leg a side	int16	bar
Pressure_main_A_side_leg_rod	pressure rod side main stabiliser leg a side	int16	bar
Pressure_main_B_side_leg_piston	pressure piston side main stabiliser leg b side	int16	bar
Pressure_main_B_side_leg_rod	pressure rod side main stabiliser leg b side	int16	bar
Pressure_auxiliary_left_leg_piston	pressure piston side auxiliary stabiliser leg left side	int16	bar

NAME	DESCRIPTION	DATA_TYPE	UNIT
Pressure_auxiliary_left_leg_rod	pressure rod side auxiliary stabiliser leg left side	int16	bar
Pressure_auxiliary_right_leg_piston	pressure piston side auxiliary stabiliser leg right side	int16	bar
Pressure_auxiliary_right_leg_rod	pressure rod side auxiliary stabiliser leg right side	int16	bar
Pressure_front_left_leg_piston	pressure piston side front stabiliser leg left side	int16	bar
Pressure_front_left_leg_rod	pressure rod side front stabiliser leg left side	int16	bar
Pressure_front_right_leg_piston	pressure piston side front stabiliser leg right side	int16	bar
Pressure_front_right_leg_rod	pressure rod side front stabiliser leg right side	int16	bar
Pressure_rear_left_leg_piston	pressure piston side rear stabiliser leg left side	int16	bar
Pressure_rear_left_leg_rod	pressure rod side rear stabiliser legs	int16	bar
Pressure_rear_right_leg_piston	pressure piston side rear stabiliser legs right side	int16	bar
Voltage_sensor_position_slew	voltage from a spool position sensor associated with slew function	int16	V
Voltage_sensor_position_1B	voltage from a spool position sensor associated with 1st boom function	int16	V
Voltage_sensor_position_2B	voltage from a spool position sensor associated with 1st boom function	int16	V
XSD2_Lever_1	raw lever 1 value from xs drive 2 controler	int8	%
XSD2_Lever_2	raw lever 2 value from xs drive 2 controler	int8	%
XSD2_Lever_3	raw lever 3 value from xs drive 2 controler	int8	%
XSD2_Lever_4	raw lever 4 value from xs drive 2 controler	int8	%
XSD2_Lever_5	raw lever 5 value from xs drive 2 controler	int8	%
XSD2_Lever_6	raw lever 6 value from xs drive 2 controler	int8	%
XSD2_Lever_7	raw lever 7 value from xs drive 2 controler	int8	%
XSD2_Lever_8	raw lever 8 value from xs drive 2 controler	int8	%
RCLH_Main_right_extension_control	position of the remote lever in %	int8	%
RCLH_Main_right_leg_control	position of the remote lever in %	int8	%
RCLH_Main_left_extension_control	position of the remote lever in %	int8	%
RCLH_Main_left_leg_control	position of the remote lever in %	int8	%
RCLH_Aux_right_extension_control	position of the remote lever in %	int8	%
RCLH_Aux_right_leg_control	position of the remote lever in %	int8	%
RCLH_Aux_left_extension_control	position of the remote lever in %	int8	%
RCLH_Aux_left_leg_control	position of the remote lever in %	int8	%
RCLH_Front_right_leg_control	position of the remote lever in %	int8	%
RCLH_Front_left_leg_control	position of the remote lever in %	int8	%
Pressure_Inlet	pressure in dump monitoring valve	int16	bar
Voltage_Sensor_Position_2B_Ext	voltage from a spool position sensor associated with 2nd boom extension function	int16	V
Voltage_Sensor_Position_3B_Ext	voltage from a spool position sensor associated with 3rd boom extension function	int16	V
Slew_sensor_length	rotation of a column from a slewing length sensor	uint16	m
Sensor_CAN_tilt_1b	value from inclination angle sensor mounted on 1st boom	int16	degree
Sensor_CAN_tilt_2b	value from inclination angle sensor mounted on 2nd boom	int16	degree
Sensor_CAN_tilt_3b	value from inclination angle sensor mounted on 3rd boom	int16	degree
CAN_single_turn_angle_sensor_1B	value from joint angle sensor mounted on 1st boom	int16	degree
CAN_single_turn_angle_sensor_2B	value from joint angle sensor mounted on 2nd boom	int16	degree
Voltage_Sensor_Position_1B_Ext	voltage from a spool position sensor associated with 1st boom extension function	int16	V
Voltage_Sensor_Position_Hoist	voltage from a spool position sensor associated with hoist function	int16	V

NAME	DESCRIPTION	DATA_TYPE	UNIT
Voltage_Sensor_Position_Tool_1	voltage from a spool position sensor associated with tool 1 function	int16	V
Voltage_Sensor_Position_Tool_2	voltage from a spool position sensor associated with tool 2 function	int16	V
Voltage_Sensor_Position_Tool_3	voltage from a spool position sensor associated with tool 3 function	int16	V
Voltage_Sensor_Position_Tool_4	voltage from a spool position sensor associated with tool 4 function	int16	V
Voltage_Sensor_Position_Main_B_Side_Extension	raw voltage reading of main b side stabiliser extension spool position sensor	int16	V
Voltage_Sensor_Position_Main_B_Side_Leg	raw voltage reading of main b side stabiliser leg spool position sensor	int16	V
Voltage_Sensor_Position_Main_A_Side_Extension	raw voltage reading of main a side stabiliser extension spool position sensor	int16	V
Voltage_Sensor_Position_Main_A_Side_Leg	raw voltage reading of main a side stabiliser leg spool position sensor	int16	V
On_Platform	pulse width platform occupancy sensor	bool	x
Pressure_3b_piston	pressure on the piston side of the 3rd boom cylinder	int16	bar
Pressure_3b_rod	pressure on the rod side of the 3rd boom cylinder	int16	bar
PWD_switch_Main_A_Side_Ext_Mid	stabiliser a side extension middle position sensor	bool	x
PWD_switch_Main_A_Side_Ext_Max	stabiliser a side extension maximum position sensor	bool	x
PWD_Switch_Main_B_Side_Ext_Mid	stabiliser b side extension middle position sensor	bool	x
PWD_Switch_Main_B_Side_Ext_Max	stabiliser b side extension maximum position sensor	bool	x
System_clock_year	system clock year	uint8	x
System_clock_month	system clock month	uint8	x
System_clock_day	system clock day	uint8	x
System_clock_hour	system clock hour	uint8	x
System_clock_minute	system clock minute	uint8	x
System_clock_second	system clock second	uint8	x
High_Seat	high seat occupancy sensor	bool	x
RCLH_SAF_Function	position of the remote lever in %	int8	%
Selector_Valve_1_Actual_Position_voltage	voltage measurement from selector valve 1 reflecting actual position	uint16	V
Selector_Valve_2_Actual_Position_voltage	voltage measurement from selector valve 2 reflecting actual position	uint16	V
Selector_Valve_3B1_Actual_Position_voltage	voltage measurement from selector valve 3b1 reflecting actual position	uint16	V
Selector_Valve_3B2_Actual_Position_voltage	voltage measurement from selector valve 3b2 reflecting actual position	uint16	V
RCLH_Digital_Function_1	position of the remote lever in %	bool	x
RCLH_Digital_Function_2	position of the remote lever in %	bool	x
RCLH_Digital_Function_3	position of the remote lever in %	bool	x
RCLH_Digital_Function_4	position of the remote lever in %	bool	x
RCLH_Digital_Function_5	position of the remote lever in %	bool	x
RCLH_Digital_Function_6	position of the remote lever in %	bool	x
RCLH_Digital_Function_7	position of the remote lever in %	bool	x
RCLH_Digital_Function_8	position of the remote lever in %	bool	x
RCLH_Digital_Function_9	position of the remote lever in %	bool	x
RCLH_Digital_Function_10	position of the remote lever in %	bool	x
RCLH_Digital_Function_11	position of the remote lever in %	bool	x
RCLH_Digital_Function_12	position of the remote lever in %	bool	x
RCLH_Digital_Function_13	position of the remote lever in %	bool	x
RCLH_Digital_Function_14	position of the remote lever in %	bool	x
RCLH_Digital_Function_15	position of the remote lever in %	bool	x

NAME	DESCRIPTION	DATA_TYPE	UNIT
RCLH_Digital_Function_16	position of the remote lever in %	bool	x
Dump_Pressure_Safe	safe signal from dump pressure sensor	uint16	x
Dump_Pressure_Safe_Status	safe status from dump pressure sensor	uint8	x
BUN_Main_Stab_Left_Side_Leg_Function	button unit control signal connected to main stabiliser left side leg function	int8	%
BUN_Main_Stab_Right_Side_Leg_Function	button unit control signal connected to main stabiliser right side leg function	int8	%
BUN_Main_Stab_Left_Side_Ext_Function	button unit control signal connected to main stabiliser left side extension function	int8	%
BUN_Main_Stab_Right_Side_Ext_Function	button unit control signal connected to main stabiliser right side extension function	int8	%
BUN_Stab_Enable_Button_State	button unit control signal connected to main stabiliser enable function	bool	x
Aux_Slave_Left_Stab_Up_and_In	digital input for auxiliary stabliser left side 'up and in' position (slave ecu)	bool	x
Aux_Slave_Right_Stab_Up_and_In	digital input for auxiliary stabliser right side 'up and in' position (slave ecu)	bool	x
PWD_Switch_Aux_Slave_Left_Ext_Max	auxiliary stabiliser left side extension maximum position sensor (slave ecu)	bool	x
PWD_Switch_Aux_Slave_Right_Ext_Max	auxiliary stabiliser right side extension maximum position sensor (slave ecu)	bool	x
Joystick_Lever_1	raw lever 1 value from joysticks controler	int8	%
Joystick_Lever_2	raw lever 2 value from joysticks controler	int8	%
Joystick_Lever_3	raw lever 3 value from joysticks controler	int8	%
Joystick_Lever_4	raw lever 7 value from joysticks controler	int8	%
Joystick_Lever_5	raw lever 4 value from joysticks controler	int8	%
Joystick_Lever_6	raw lever 5 value from joysticks controler	int8	%
Joystick_Lever_7	raw lever 6 value from joysticks controler	int8	%
Joystick_Lever_8	raw lever 8 value from joysticks controler	int8	%
Joystick_Configurable_Button_1	raw button 1 value from joysticks controler	bool	x
Joystick_Configurable_Button_2	raw button 2 value from joysticks controler	bool	x
Joystick_Configurable_Button_3	raw button 3 value from joysticks controler	bool	x
Joystick_Configurable_Button_4	raw button 4 value from joysticks controler	bool	x
Joystick_Configurable_Button_5	raw button 5 value from joysticks controler	bool	x
Joystick_Configurable_Button_6	raw button 6 value from joysticks controler	bool	x
Joystick_Configurable_Button_7	raw button 7 value from joysticks controler	bool	x
Joystick_Configurable_Button_8	raw button 8 value from joysticks controler	bool	x
RC_Configurable_Button_1	state of remote button 1	bool	x
RC_Configurable_Button_2	state of remote button 2	bool	x
RC_Configurable_Button_3	state of remote button 3	bool	x
RC_Configurable_Button_4	state of remote button 4	bool	x
RC_Configurable_Button_5	state of remote button 5	bool	x
RC_Configurable_Button_6	state of remote button 6	bool	x
RC_Configurable_Button_7	state of remote button 7 (xsd2)	bool	x
RC_Configurable_Button_8	state of remote button 8 (xsd2)	bool	x
RC_Configurable_Button_9	state of remote button 9 (xsd2)	bool	x
RC_Crane_Button	state of the crane menu button on the cd4 remote	bool	x
RC_Stabilizer_Button	state of the stabilizer menu button on the cd4 remote	bool	x
RC_OnOff_Button	state of the on/off menu button on the cd4 remote	bool	x
RC_Ok_Button	state of the info menu button on the cd4 remote	bool	x
RC_Settings_Button	state of the settings menu button on the cd4 remote	bool	x

NAME	DESCRIPTION	DATA_TYPE	UNIT
RC_Increment_Menu_Button	state of the increment menu button on the xsd2 remote	bool	x
RC_Decrement_Menu_Button	state of the decrement menu button on the xsd2 remote	bool	x
Hoist_rope_on_drum_length	length of rope on the hoist drum as calculated from the hoist drum position sensor.	uint32	m
CAN3_hoist_drum_angle	angle of the hoist drum	uint32	degree
RC_Speed_Button	state of the speed button on the remote	bool	x
RCLH_lever_1_positive	remote controler lever 1 input in positive direction	uint8	x
RCLH_lever_2_positive	remote controler lever 2 input in positive direction	uint8	x
RCLH_lever_3_positive	remote controler lever 3 input in positive direction	uint8	x
RCLH_lever_4_positive	remote controler lever 4 input in positive direction	uint8	x
RCLH_lever_5_positive	remote controler lever 5 input in positive direction	uint8	x
RCLH_lever_6_positive	remote controler lever 6 input in positive direction	uint8	x
RCLH_lever_7_positive	remote controler lever 7 input in positive direction	uint8	x
RCLH_lever_8_positive	remote controler lever 8 input in positive direction	uint8	x
RCLH_lever_1_negative	remote controler lever 1 input in negative direction	uint8	x
RCLH_lever_2_negative	remote controler lever 2 input in negative direction	uint8	x
RCLH_lever_3_negative	remote controler lever 3 input in negative direction	uint8	x
RCLH_lever_4_negative	remote controler lever 4 input in negative direction	uint8	x
RCLH_lever_5_negative	remote controler lever 5 input in negative direction	uint8	x
RCLH_lever_6_negative	remote controler lever 6 input in negative direction	uint8	x
RCLH_lever_7_negative	remote controler lever 7 input in negative direction	uint8	x
RCLH_lever_8_negative	remote controler lever 8 input in negative direction	uint8	x
Pressure_Slew_CW	pressure in ads valve on clockwise side of slewing rack. ads valve has a pressure sensor measuring the pressure on each side of the slewing rack	int16	bar
Pressure_Slew_CCW	pressure in ads valve on counter clockwise side of the slewing rack. ads valve has a pressure sensor measuring the pressure on each side of the slewing rack	int16	bar
Length_2B_Extension	measured length of 2b extension	uint16	m
CAN_Len_2B_Ext	value from length sensor for 2b extensions	uint32	m
TW_Acknowledgement_button	a transport warning acknowledgment button is pressed	bool	x
Release_button_pressed	a release button is pressed	bool	x
Last_2B_Extension_Fully_In	last 2b extension fully in position sensor	bool	x
Extra_Input_1	additional digital input 1	bool	x
Extra_Input_2	additional digital input 2	bool	x
Extra_Input_3	additional digital input 3	bool	x
Extra_Input_4	additional digital input 4	bool	x
Extra_Input_5	additional digital input 5	bool	x
Extra_Input_6	additional digital input 6	bool	x
Extra_Input_7	additional digital input 7	bool	x
Extra_Input_8	additional digital input 8	bool	x
Extra_Input_9	additional digital input 9	bool	x
Extra_Input_10	additional digital input 10	bool	x
Extra_Input_11	additional digital input 11	bool	x
Extra_Input_12	additional digital input 12	bool	x
Extra_Input_13	additional digital input 13	bool	x

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Extra_Input_14	additional digital input 14	bool	x
CDI_Low_Load_1B_Mode	digital input for low load 1b mode	bool	x
CDI_Low_Load_Hoist_Mode	digital input for low load hoist mode	bool	x
CDI_Pump_Flow_High_Mode	digital input for pump flow high mode	bool	x
CDI_Trailer_Connected_Mode	digital input for trailer connected	bool	x
CDI_Hoist_Disabled_Mode	digital input for hoist disabled	bool	x
RCLH_crane_function_1B_Extensions	position of the remote lever in %	int8	%
SIN_Spools_In_Neutral	boolean signal indicating that all spools are in their neutral positions	bool	x
Top_Roller_Speed	speed of the wire for the hoist, measured by the top roller	int16	m/s
Redundant_Hoist_Load_Sensor_1_Raw_Value	current from hoist load sensor 1	uint32	mA
Redundant_Hoist_Load_Sensor_2_Raw_Value	current from hoist load sensor 2	uint32	mA
Auxiliary_Stabiliser_Extension_Left_In	auxiliary stabiliser extension on left side fully in. detected by proximity switch or absolute length sensor.	bool	x
Auxiliary_Stabiliser_Extension_Right_In	auxiliary stabiliser extension on right side fully in. detected by proximity switch or absolute length sensor.	bool	x
Rear_Stabiliser_Extension_Left_In	rear stabiliser extensions fully in. detected by proximity switch or absolute length sensor.	bool	x
SERVI_Hoist_Load	load in the hoist in %	uint16	%
SERVI_Hoist_Rope_End	the hoist is close to the end of the rope	uint8	x
Voltage_sensor_position_Column	voltage from a spool position sensor associated with column function	int16	V
Voltage_Sensor_Position_Aux_Left_Side_Extension	voltage from a spool position sensor associated with auxiliary stabiliser left side extension function	int16	V
Voltage_Sensor_Position_Aux_Right_Side_Extension	voltage from a spool position sensor associated with auxiliary stabiliser right side extension function	int16	V
Voltage_Sensor_Position_Aux_Left_Side_Leg	voltage from a spool position sensor associated with auxiliary stabiliser left side leg function	int16	V
Voltage_Sensor_Position_Aux_Right_Side_Leg	voltage from a spool position sensor associated with auxiliary stabiliser right side leg function	int16	V
Top_Roller_position	the hoist rope position. derived from the top roller sensor.	int32	m
RCLH_Proportional_Function_1	position of the remote lever in %	int8	%
RCLH_Proportional_Function_2	position of the remote lever in %	int8	%
RCLH_Proportional_Function_3	position of the remote lever in %	int8	%
RCLH_Proportional_Function_4	position of the remote lever in %	int8	%
RCLH_Proportional_Function_5	position of the remote lever in %	int8	%
RCLH_Proportional_Function_6	position of the remote lever in %	int8	%
RCLH_Proportional_Function_7	position of the remote lever in %	int8	%
RCLH_Proportional_Function_8	position of the remote lever in %	int8	%
PWD_Top_Roller_Incremental_Position	top roller in incremental position sensor	int32	x
COV_Beacon_1_View_Confirmed	digital value for a confirm view beacon 1 state confirmed	bool	x
COV_Beacon_2_View_Confirmed	digital value for a confirm view beacon 2 state confirmed	bool	x
COV_Beacon_3_View_Confirmed	digital value for a confirm view beacon 3 state confirmed	bool	x
CAN_single_turn_angle_sensor_3B	value from joint angle sensor mounted on 3rd boom.	int16	degree
CAN_2B_Rod_Pressure	value from the rod pressure sensor on 2b	uint16	bar
CAN_Main_B_Stab_Leg_Inclination_Angle_Sensor	sensor signal from angle sensor on main b stab leg	int16	degree
LEN_Main_B_Stab_Ext_Velocity	velocity of the stabiliser extension on the b side. derived from the absolute length.	int16	m/s
SERVI_horn	a horn button is pressed	bool	x
CDI_Height_Stop_Input_1	digital input for height stop 1	bool	x
CDI_Height_Stop_Input_2	digital input for height stop 2	bool	x
Angle_1B_Joint_Redundant	angle 1b joint calculated from redundant sensor	int16	degree

NAME	DESCRIPTION	DATA_TYPE	UNIT
Angle_2B_Joint_Redundant	angle 2b joint calculated from redundant sensor	int16	degree
CDI_SSS_Left_Key_Input1	digital input for sss left key 1	bool	x
CDI_SSS_Left_Key_Input2	digital input for sss left key 2	bool	x
CDI_SSS_Right_Key_Input1	digital input for sss right key 1	bool	x
CDI_SSS_Right_Key_Input2	digital input for sss right key 2	bool	x
RCLH_CTC_Horizontal	position of the remote lever in %	int8	%
RCLH_CTC_Vertical	position of the remote lever in %	int8	%
RCLH_CTC_1B_Override	position of the remote lever in %	int8	%
RCLH_SPA_function	position of the remote lever in %	int8	%
A2B_Sensor_active	a2b counterweight sensor	bool	x
Scaled_PFD_for_ePTO	scaled pump flow value for electric pto	uint8	%
ePTO_Battery_Current	electric pto battery current	int16	x
ePTO_Battery_State_of_Charge	electric pto battery state of charge	uint8	%
ePTO_Battery_Temperature	electric pto battery temperature	int16	x
ePTO_Battery_Temperature_Average	electric pto battery temperature average	int16	x
ePTO_Battery_Temperature_Max	electric pto battery temperature maximum	int16	x
ePTO_Battery_Temperature_Min	electric pto battery temperature minimum	int16	x
ePTO_Discharge_Max	electric pto maximum discharge	uint16	x
ePTO_Error_Limitation	electric pto error limitation	uint8	%
ePTO_Inverter_Temperature	electric pto inverter temperature	int16	x
ePTO_Motor_RPM_Command	electric pto motor rpm command	int16	x
ePTO_Motor_RPM	electric pto motor rpm reading	int16	x
LEN_slew_length	postition of the slew piston on a limited slewing crane. no calculation, value is a copy of the can sensor value.	uint16	mm
LEN_slew_speed	the speed of the slew piston on a limited slewing crane. derived from the position of the piston.	int16	mm/s
Remote_Control_Scaled_Slew	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_1B	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_1B_Extensions	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_2B	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_2B_Extensions	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_3B	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_3B_Extensions	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_Hoist	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_Tool_1	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_Tool_2	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_Tool_3	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_Tool_4	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_CTC_Horizontal	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_CTC_Vertical	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_SAF	position of the remote lever in %, scaled according to user preferences	int8	%
Angle_2B_Lateral	lateral 2b angle used for boom deflection calculations	int16	degree
Angle_3B_Lateral	lateral 3b angle used for boom deflection calculations	int16	degree
Remote_Control_Scaled_SPA	position of the remote lever in %, scaled according to user preferences	int8	%

NAME	DESCRIPTION	DATA_TYPE	UNIT
Remote_Control_Scaled_CTC_1B_Override	position of the remote lever in %, scaled according to user preferences	int8	%
ePTO_Battery_Voltage	electric pto battery voltage	int16	V
ePTO_Charger_Status	electric pto charger status	uint8	x
ePTO_Inverter_Voltage	electric pto inverter voltage	int16	V
ePTO_Status	electric pto inverter status	uint8	x
ePTO_High_Voltage_Interlock	electric pto high voltage interlock	uint8	x
BUN_Button_4_Unit_2	button 4 unit 2 press state signal	bool	x
BUN_Button_5_Unit_2	button 5 unit 2 press state signal	bool	x
BUN_Button_6_Unit_2	button 6 unit 2 press state signal	bool	x
BUN_Button_10_Unit_2	button 10 unit 2 press state signal	bool	x
BUN_Button_11_Unit_2	button 11 unit 2 press state signal	bool	x
BUN_Button_4_Unit_3	button 4 unit 3 press state signal	bool	x
BUN_Button_5_Unit_3	button 5 unit 3 press state signal	bool	x
BUN_Button_6_Unit_3	button 6 unit 3 press state signal	bool	x
BUN_Button_10_Unit_3	button 10 unit 3 press state signal	bool	x
BUN_Button_11_Unit_3	button 11 unit 3 press state signal	bool	x
BUN_Button_4_Unit_4	button 4 unit 4 press state signal	bool	x
BUN_Button_5_Unit_4	button 5 unit 4 press state signal	bool	x
BUN_Button_6_Unit_4	button 6 unit 4 press state signal	bool	x
BUN_Button_10_Unit_4	button 10 unit 4 press state signal	bool	x
BUN_Button_11_Unit_4	button 11 unit 4 press state signal	bool	x
CDI_Transport_Warning_Digital_Input	digital input for transport warning	bool	x
CDI_High_Seat_Override	digital input for high seat override	bool	x
CAN_Angle_2B_lateral	value from the angle sensor for the 2b lateral angle	int16	degree
CAN_Angle_3B_lateral	value from the angle sensor for the 3b lateral angle	int16	degree
CDI_SAFc_unfold_side_selection	digital input for safc unfold side selection	bool	x
Relative_Length_3B_Ext	length/postion in % of the 3b extension	uint16	%
RCLH_SAM_function	position of the remote lever in %	int8	%
RCLH_SAFc_function	position of the remote lever in %	int8	%
Remote_Control_Scaled_SAM	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_SAFc	position of the remote lever in %, scaled according to user preferences	int8	%
CAN3_A2B_Sensor_value	value from the a2b position sensor	uint32	x
CAN3_3B_Ext_position_step	value from the 3b extension length sensor	uint32	x
Next_to_last_2B_Ext_fully_in	next to last 2b ext fully in sensor	bool	x
Length_3B_Ext	absolute position of the 3b extension. derived from step sensor.	uint16	mm
Aux_Stabiliser_Extension_on_Main_ECU_Left_In	digital input for auxiliary stabiliser extension left in	bool	x
Aux_Stabiliser_Extension_on_Main_ECU_Right_In	digital input for auxiliary stabiliser extension right in	bool	x
PWD_Switch_Aux_on_Main_ECU_Left_Ext_Max	auxiliary stabiliser left side extension maximum position sensor (main ecu)	bool	x
PWD_Switch_Aux_on_Main_ECU_Right_Ext_Max	auxiliary stabiliser right side extension maximum position sensor (main ecu)	bool	x
Distance_to_target_load_left	distance to target on left side of vehicle.	uint16	m
Distance_to_target_load_right	distance to target on right side of vehicle.	uint16	m
Relative_Length_Main_A_Stab_Ext	relative length of the main stabiliser extension side a	uint16	%

NAME	DESCRIPTION	DATA_TYPE	UNIT
Relative_Length_Main_B_Stab_Ext	relative length of the main stabiliser extension side b	uint16	%
Relative_Length_Aux_Left_Stab_Ext	relative length of the auxiliary stabiliser extension left side	uint16	%
Relative_Length_Aux_Right_Stab_Ext	relative length of the auxiliary stabiliser extension right side	uint16	%
Relative_Length_Rear_Left_Stab_Ext	relative length of the rear stabiliser extension	uint16	%
Relative_Length_2B_Extension	relative length 2b extension.only for cranes equipped with length sensor on the 2b extensions	uint16	%
Parking_Brake_Status	parking brake signal aquired from truck connected to vehicle can	uint8	x
Split_Gear_Status	split gear signal aquired from truck connected to vehicle can	uint8	x
Vehicle_Ambient_Temperature	ambient temp signal aquired from truck connected to vehicle can	int16	x
Vehicle_Engine_Oil_Temperature	engine oil temperature brake signal aquired from truck connected to vehicle can	int16	x
Vehicle_Engine_RPM	engine rpm signal aquired from truck connected to vehicle can	uint16	x
Angle_2B_Inclination	inclination angle of the 2nd boom relative to horizontal axis	int16	degree
Starter_Engine_Mode	engine starter mode signal aquired from truck connected to vehicle can	uint8	x
CDI_OPS_2_Override_input_1	digital input for ops 2 override 1	bool	x
CDI_OPS_2_Override_input_2	digital input for ops 2 override 2	bool	x
RCLH_VLM_MainAux_function	position of the remote lever in %	int8	%
RCLH_VLM_Main_function	position of the remote lever in %	int8	%
RCLH_VLM_Aux_function	position of the remote lever in %	int8	%
Angle_1B_Inclination	inclination angle of the 1st boom relative to horizontal axis	int16	degree
Angle_3B_Inclination	inclination angle of the 3rd boom relative to horizontal axis	int16	degree
Angle_4B_Inclination	inclination angle of the 4th boom relative to horizontal axis	int16	degree
Angle_2B_Inclination_Extended	angle 2b inclination without range limits	int32	degree
Angle_3B_Inclination_Extended	angle 3b inclination without range limits	int32	degree
Remote_Control_Scaled_VLM_MainAux	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_VLM_Main	position of the remote lever in %, scaled according to user preferences	int8	%
Remote_Control_Scaled_VLM_Aux	position of the remote lever in %, scaled according to user preferences	int8	%
CAN_Hook_Load_Sensor_Value	value from the sensor measuring the weight in the hook	uint16	kg
CAN_Hook_Load_Sensor_Battery_Level	value from the sensor for the battery level in the hook weight sensor	uint8	x
CAN_Hook_Load_Sensor_RSSI	value from the wireless weight sensor in the hook	uint8	x
MEWP_Work_Platform_Levelling_Enabled	conditions for platform levelling fulfilled	bool	x
Blackout_Active	digital input for blackout mode	bool	x
MEWP_Work_Platform_Mechanically_Secured	digital input for mobile work platform mechanical	bool	x
MEWP_Work_Platform_Electrically_Connected	digital input for mobile work platform electrical	bool	x
MEWP_Hand_Controller_in_Work_Platform	digital input for mobile work platform hand controller	bool	x
MEWP_Emergency_Override_Input_1	digital input for mobile work platform emeregency override 1	bool	x
MEWP_Emergency_Override_Input_2	digital input for mobile work platform emeregency override 2	bool	x
Angle_Base_Roll_Inclination	angle of the crane base sensor measuring roll	int16	degree
Angle_Base_Pitch_Inclination	angle of the crane base sensor measuring pitch	int16	degree
MEWP_Work_Platform_Stop_signal_1	digital input for mobile work platform stop signal 1	bool	x
MEWP_Work_Platform_Stop_signal_2	digital input for mobile work platform stop signal 1	bool	x
PWD_Work_Platform_Secured_Sensor	mobile work platform in secured position sensor	bool	x
Pressure_dump_2	pressure at dump 2	int16	bar
PTO_signal	digital input signal that indicates if pto is on/off	bool	x

NAME	DESCRIPTION	DATA_TYPE	UNIT
CD4_Hand_Controller_In_MEWP	remote controller connected to mobile work platform	bool	x
Remote_Control_Scaled_Roller	position of the remote lever in %, scaled according to user preferences	int8	%