Modbus Protocols

The WxC-3xx family of controllers support both Modbus TPC and Modbus RTU. An add-on module may be required for the Modbus RTU interface. Both interfaces may be active at the same time.

Modbus TCP

The WxC-3xx controller implements a Modbus TCP server and allows one Modbus Client to connect to the server at a time. Subsequent connection requests are rejected.The Modbus TCP port is configurable. The default port number is **502**:

Parameter	**Values**	**Default**
Port	0-65535	502

Modbus RTU

The WxC-3xx controller implements a Modbus RTU device.

The communication settings are configurable (default in **bold**):

Parameter	**Values**	**Default**
Slave Address	1..247	1
Baud Rate	1200, 2400, 4800, 9600, **19200**, 38400, 57600, 76800, 115200, 230400	19200
Parity	None, Odd, **Even**	Even
Stop bits	**1**, 2	1

The electrically interface is RS-485, which allows multiple Modbus RTU clients to share the same communication lines as long as they have different Slave Addresses.

A broadcast message (Slave Address: 0) is processed, but no answer is generated.

Supported Modbus Functions

The following table shows all implemented Modbus Functions for the Modbus TCP and Modbus RTU interfaces. The general process control input and output functions are implemented in both interfaces. The Diagnostic function is implemented in the RTU only as most of the registers concern the state of the serial communication.

Function Name	Function Code	Modbus TCP	Modbus RTU
Read Discrete Inputs	2	✓	✓
Read Coils	1	✓	✓
Write Single Coil	5	✓	✓
Write Multiple Coils	15	✓	✓
Read Input Registers	4	✓	✓
Read Multiple Holding Registers	3	✓	✓
Write Single Holding Register	6	✓	✓
Write Multiple Holding Registers	16	✓	✓
Read/Write Multiple Registers	23		
Mask Write Register	22		
Read FIFO Queue	24		
Read File Record	20		
Write File Record	21		
Read Exception Status	7		
Diagnostic	8		✓
Get Com Event Counter	11		
Get Com Event Log	12		
Report Slave ID	17		
Read Device Identification	43		

RTU Diagnostic

The following table shows which diagnostic registers are implemented in the Modbus RTU interface. Those marked as “Error Counter” contribute to the state of the Diagnostic Register (0x02).

Sub-function code		Name	Error Counter	Supported
Hex	Dec			
0x00	0	Return Query Data		✓
0x01	1	Restart Communications Option		✓
0x02	2	Return Diagnostic Register		✓
0x03	3	Change ASCII Input Delimiter		
0x04	4	Force Listen Only Mode		
0x0A	10	Clear Counters and Diagnostic Register		✓
0x0B	11	Return Bus Message Count		✓
0x0C	12	Return Bus Communication Error Count	✓	✓
0x0D	13	Return Bus Exception Error Count	✓	✓
0x0E	14	Return Slave Message Count		✓
0x0F	15	Return Slave No Response Count	✓	✓
0x10	16	Return Slave NAK Count	✓	✓
0x11	17	Return Slave Busy Count	✓	✓
0x12	18	Return Bus Character Overrun Count	✓	✓
0x14	20	Clear Overrun Counter and Flag		

Please note that the “Bus Message Count” and “Slave Message Count” registers are incremented on communication on both Modbus interfaces.

Diagnostic Register

The diagnostic register has the value 0 if all “Error Counters” are 0.

Register description – Digital read/write points (coils)

Address:	Name:	Register:	Description:	Unit:
00001	**Close_motor_line_S1_X1**	Digital read/write points (Coils)	Set that motor line S1_X1 must be closed	
	Long description: This object is used to indicate that the motor line must be closed. When closing the Heat & Smoke speed is being used. 0 = Off: Normal operation. 1 = On: Motor line must be closed.			

Address:	Name:	Register:	Description:	Unit:
00002	**Close_motor_line_S1_X2**	Digital read/write points (Coils)	Set that motor line S1_X2 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00003	**Close_motor_line_S2_X1**	Digital read/write points (Coils)	Set that motor line S2_X1 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00004	**Close_motor_line_S2_X2**	Digital read/write points (Coils)	Set that motor line S2_X2 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00005	**Close_motor_line_S2_X3**	Digital read/write points (Coils)	Set that motor line S2_X3 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00006	**Close_motor_line_S2_X4**	Digital read/write points (Coils)	Set that motor line S2_X4 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00007	**Close_motor_line_S2_X5**	Digital read/write points (Coils)	Set that motor line S2_X5 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00008	**Close_motor_line_S2_X6**	Digital read/write points (Coils)	Set that motor line S2_X6 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00009	**Close_motor_line_S2_X7**	Digital read/write points (Coils)	Set that motor line S2_X7 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00010	**Close_motor_line_S2_X8**	Digital read/write points (Coils)	Set that motor line S2_X8 must be closed	
	Long description: Please see Close_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
00011	**Connection_1**	Digital read/write points (Coils)	Connection_1	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00012	**Connection_2**	Digital read/write points (Coils)	Connection_2	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00013	**Connection_3**	Digital read/write points (Coils)	Connection_3	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00014	**Connection_4**	Digital read/write points (Coils)	Connection_4	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00015	**Connection_5**	Digital read/write points (Coils)	Connection_5	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00016	**Connection_6**	Digital read/write points (Coils)	Connection_6	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00017	**Connection_7**	Digital read/write points (Coils)	Connection_7	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00018	**Connection_8**	Digital read/write points (Coils)	Connection_8	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00019	**Connection_9**	Digital read/write points (Coils)	Connection_9	
	Long description: Object that can be associated to an input or output of the system			

Address:	Name:	Register:	Description:	Unit:
00020	**Connection_10**	Digital read/write points (Coils)	Connection_10	
	Long description: Object that can be associated to an input or output of the system			

Register description – Digital read only points (Input Status)

Address:	Name:	Register:	Description:	Unit:
10001	**Closed_motor_line_S1_X1**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS1_X1	
	Long description: This object contains the all actuators closed status: 0 = Not closed. 1 = Closed. All actuators at their closed position. If locking actuators are present these are also locked.			

Address:	Name:	Register:	Description:	Unit:
10002	**Closed_motor_line_S1_X2**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS1_X2	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10003	**Closed_motor_line_S2_X1**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X1	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10004	**Closed_motor_line_S2_X2**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X2	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10005	**Closed_motor_line_S2_X3**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X3	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10006	**Closed_motor_line_S2_X4**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X4	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10007	**Closed_motor_line_S2_X5**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X5	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10008	**Closed_motor_line_S2_X6**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X6	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10009	**Closed_motor_line_S2_X7**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X7	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10010	**Closed_motor_line_S2_X8**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS2_X8	
	Long description: Please see Closed_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10011	**Error_motor_line_S1_X1**	Digital read only points (Input Status)	Indicates Closed / Not closed status for actuators on motor LineS1_X1	
	Long description: This object contains information about the motor line error condition. 0 = False: No error condition detected. 1 = True: Error detected.			

Address:	Name:	Register:	Description:	Unit:
10012	**Error_motor_line_S1_X2**	Digital read only points (Input Status)	Indicates error condition for motor LineS1_X2	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10013	**Error_motor_line_S2_X1**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X1	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10014	**Error_motor_line_S2_X2**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X2	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10015	**Error_motor_line_S2_X3**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X3	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10016	**Error_motor_line_S2_X4**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X4	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10017	**Error_motor_line_S2_X5**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X5	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10018	**Error_motor_line_S2_X6**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X6	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10019	**Error_motor_line_S2_X7**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X7	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10020	**Error_motor_line_S2_X8**	Digital read only points (Input Status)	Indicates error condition for motor LineS2_X8	
	Long description: Please see Error_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
10021	**Alarm_smoke_zone_1**	Digital read only points (Input Status)	Smoke zone 1 alarm condition.	
	Long description: This object contains information about the heat and smoke zone Alarm state. 0 = False: Alarm not active. 1 = True: Alarm active. Motor controller operated by a heat and smoke alarm input. No other operation possible.			

Address:	Name:	Register:	Description:	Unit:
10022	**Alarm_smoke_zone_2**	Digital read only points (Input Status)	Smoke zone 2 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10023	**Alarm_smoke_zone_3**	Digital read only points (Input Status)	Smoke zone 3 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10024	**Alarm_smoke_zone_4**	Digital read only points (Input Status)	Smoke zone 4 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10025	**Alarm_smoke_zone_5**	Digital read only points (Input Status)	Smoke zone 5 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10026	**Alarm_smoke_zone_6**	Digital read only points (Input Status)	Smoke zone 6 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10027	**Alarm_smoke_zone_7**	Digital read only points (Input Status)	Smoke zone 7 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10028	**Alarm_smoke_zone_8**	Digital read only points (Input Status)	Smoke zone 8 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10029	**Alarm_smoke_zone_9**	Digital read only points (Input Status)	Smoke zone 9 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10030	**Alarm_smoke_zone_10**	Digital read only points (Input Status)	Smoke zone 10 alarm condition.	
	Long description: Please see Alarm_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10031	**Error_smoke_zone_1**	Digital read only points (Input Status)	Smoke zone 1 error condition.	
	Long description: This object contains information about the smoke zone error condition. 0 = False: No error condition detected. 1 = True: Error detected.			

Address:	Name:	Register:	Description:	Unit:
10032	**Error_smoke_zone_2**	Digital read only points (Input Status)	Smoke zone 2 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10033	**Error_smoke_zone_3**	Digital read only points (Input Status)	Smoke zone 3 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10034	**Error_smoke_zone_4**	Digital read only points (Input Status)	Smoke zone 4 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10035	**Error_smoke_zone_5**	Digital read only points (Input Status)	Smoke zone 5 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10036	**Error_smoke_zone_6**	Digital read only points (Input Status)	Smoke zone 6 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10037	**Error_smoke_zone_7**	Digital read only points (Input Status)	Smoke zone 7 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10038	**Error_smoke_zone_8**	Digital read only points (Input Status)	Smoke zone 8 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10039	**Error_smoke_zone_9**	Digital read only points (Input Status)	Smoke zone 9 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10040	**Error_smoke_zone_10**	Digital read only points (Input Status)	Smoke zone 10 error condition.	
	Long description: Please see Error_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
10041	**Error_system**	Digital read only points (Input Status)	System error condition.	
	Long description: This object contains information about the system error condition. 0 = False: No error condition detected. 1 = True: Error detected.			

Register description – Analog read only points (Input Registers)

Address:	Name:	Register:	Description:	Unit:
30001	**Status_motor_group_1**	Analog read only points (Input Registers)	Indicate status of the motor group 1	
	Long description: This output object contains the status of the motor group stored in a 6 bit value. MSB.....LSB Bit 0: 1 = Error. One of more motor lines associated with the motor groups have an error. Bit 1: 1 = Closed. All motor lines associated with the motor group is closed. Bit 2: 1 = Max. wind speed active. The configured max. wind speed of the motor group is exceeded. Bit 3: 1 = Safety active. The safety function of the motor group is active. Bit 4: 1 = Open active. One or more motor line in the group is open more than the configured threshold. Bit 5: 1 = Alarm. The motor group is in smoke alarm state.			

Address:	Name:	Register:	Description:	Unit:
30002	**Status_motor_group_2**	Analog read only points (Input Registers)	Indicate status of the motor group 2	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30003	**Status_motor_group_3**	Analog read only points (Input Registers)	Indicate status of the motor group 3	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30004	**Status_motor_group_4**	Analog read only points (Input Registers)	Indicate status of the motor group 4	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30005	**Status_motor_group_5**	Analog read only points (Input Registers)	Indicate status of the motor group 5	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30006	**Status_motor_group_6**	Analog read only points (Input Registers)	Indicate status of the motor group 6	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30007	**Status_motor_group_7**	Analog read only points (Input Registers)	Indicate status of the motor group 7	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30008	**Status_motor_group_8**	Analog read only points (Input Registers)	Indicate status of the motor group 8	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30009	**Status_motor_group_9**	Analog read only points (Input Registers)	Indicate status of the motor group 9	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30010	**Status_motor_group_10**	Analog read only points (Input Registers)	Indicate status of the motor group 10	
	Long description: Please see Status_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
30011	**Actual_position_motor_line_S1_X1**	Analog read only points (Input Registers)	Contains the actual position for motor line S1_X1	Percent
	Long description: This object contains the actual position for the motor line. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
30012	**Actual_position_motor_line_S1_X2**	Analog read only points (Input Registers)	Contains the actual position for motor line S1_X2	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30013	**Actual_position_motor_line_S2_X1**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X1	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30014	**Actual_position_motor_line_S2_X2**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X2	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30015	**Actual_position_motor_line_S2_X3**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X3	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30016	**Actual_position_motor_line_S2_X4**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X4	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30017	**Actual_position_motor_line_S2_X5**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X5	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30018	**Actual_position_motor_line_S2_X6**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X6	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30019	**Actual_position_motor_line_S2_X7**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X7	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30020	**Actual_position_motor_line_S2_X8**	Analog read only points (Input Registers)	Contains the actual position for motor line S2_X8	Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30021	**Actual_max_position_motor_line_S1_X1**	Analog read only points (Input Registers)	Contains the actual max position for motor line S1_X1	Percent
	Long description: This object contains the actual maximum opening position for the motor line. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
30022	**Actual_max_position_motor_line_S1_X2**	Analog read only points (Input Registers)	Contains the actual max position for motor line S1_X2	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30023	**Actual_max_position_motor_line_S2_X1**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X1	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30024	**Actual_max_position_motor_line_S2_X2**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X2	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30025	**Actual_max_position_motor_line_S2_X3**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X3	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30026	**Actual_max_position_motor_line_S2_X4**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X4	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30027	**Actual_max_position_motor_line_S2_X5**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X5	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30028	**Actual_max_position_motor_line_S2_X6**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X6	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30029	**Actual_max_position_motor_line_S2_X7**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X7	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30030	**Actual_max_position_motor_line_S2_X8**	Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X8	Percent
	Long description: Please see Actual_max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30031	**Status_motor_line_S1_X1**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S1_X1	

Long description:

Contains the status of the motor line stored in a 18 bit value. MSB.....LSB (2 registers 30031 + 30032). Use Read Multiple Holding Registers (Function Code 3) to get coherent data:
Bit 0: 1 = Communication error. Communication error detected while communicating with one or more motors. Only applicable for MotorLink™ output.
Bit 1: 1 = Cable error. Broken cable detected. Only applicable for standard motor output.
Bit 2: 1 = No. of. motors error. Expected no. of motors differs from the number of motors found on the motor line.
Bit 3: 1 = Team size error. Team size value in the motors does not match.
Bit 4: 1 = Motor parameter error. Key motor parameters differ between the motors.
Bit 5: 1 = No. of locking motors error. Expected no of WMB motors differ from number found.
Bit 6: 1 = Locking motors team size error. Team size value in the locking motors does not match.
Bit 7: 1 = Locking motor parameter error. Key locking motor parameters differs between the locking motors.
Bit 8: 1 = Closed. All actuators on motor line are closed.
Bit 9: 1 = Locked. All locking motors are locked. If no locking motors are present the bit has the same value as "Closed".
Bit 10: 1 = Position error. The actual position differs from the expected position.
Bit 11: 1 = Motor moving. Motors are moving.
Bit 12: 1 = Motor over current. The motors reported a too high current.
Bit 13: 1 = Output over current. A too high current detected on the motor line output.
Bit 14: 1 = Hand grace timer active. An automatic operation has started the grace timer.
Bit 15: 1 = Hand timer active. A hand operation has started the temporary hand timer.
Bit 16: 1 = Power supply overcurrent. Accumulator switch opened due to overcurrent.
Bit 17: 1 = Motor safety edge sensor input active.

Address:	Name:	Register:	Description:	Unit:
30033	**Status_motor_line_S1_X2**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S1_X2	

Long description:

Please see Status_motor_line_S1_X1

Address:	Name:	Register:	Description:	Unit:
30035	**Status_motor_line_S2_X1**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X1	

Long description:

Please see Status_motor_line_S1_X1

Address:	Name:	Register:	Description:	Unit:
30037	**Status_motor_line_S2_X2**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X2	

Long description:

Please see Status_motor_line_S1_X1

Address:	Name:	Register:	Description:	Unit:
30039	**Status_motor_line_S2_X3**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X3	

Long description:

Please see Status_motor_line_S1_X1

Address:	Name:	Register:	Description:	Unit:
30041	**Status_motor_line_S2_X4**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X4	
	Long description: Please see Status_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30043	**Status_motor_line_S2_X5**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X5	
	Long description: Please see Status_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30045	**Status_motor_line_S2_X6**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X6	
	Long description: Please see Status_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30047	**Status_motor_line_S2_X7**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X7	
	Long description: Please see Status_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30049	**Status_motor_line_S2_X8**	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X8	
	Long description: Please see Status_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
30051	**Status_smoke_zone_1**	Analog read only points (Input Registers)	Indicate status of smoke zone 1	

Long description:
Contains the status of smoke zone 1 stored in a 19 bit value. MSB.....LSB (2 registers 30051 + 30052):
Bit 0: 1 = Line A alarm active.
Bit 1: 1 = Line B alarm active.
Bit 2: 1 = Reset active.
Bit 3: 1 = Line C alarm active.
Bit 4: 1 = Line D alarm active.
Bit 5: 1 = Line E alarm active.
Bit 6: 1 = Line F alarm active.
Bit 7: 1 = Line A error.
Bit 8: 1 = Line B error.
Bit 9: 1 = Line C error.
Bit 10: 1 = Line D error.
Bit 11: 1 = Line E error.
Bit 12: 1 = Line F error.
Bit 13: 1 = Break glass unit error. Error effecting the break glass units associated with the smoke zone.
Bit 14: 1 = Motor group error. Error effecting the motor groups associated with the smoke zone.
Bit 15: 1 = Master / slave error. Error effecting a master or slave connection on the smoke zone.
Bit 16: 1 = Power supply error. No mains power or PS module error.
Bit 17: 1 = Mains power warning. Mains power has been missing for less than 30 minutes.
Bit 18: 1 = Weather data error.

Address:	Name:	Register:	Description:	Unit:
30053	**Status_smoke_zone_2**	Analog read only points (Input Registers)	Indicate status of smoke zone 2	

Long description:
Please see Status_smoke_zone_1

Address:	Name:	Register:	Description:	Unit:
30055	**Status_smoke_zone_3**	Analog read only points (Input Registers)	Indicate status of smoke zone 3	

Long description:
Please see Status_smoke_zone_1

Address:	Name:	Register:	Description:	Unit:
30057	**Status_smoke_zone_4**	Analog read only points (Input Registers)	Indicate status of smoke zone 4	

Long description:
Please see Status_smoke_zone_1

Address:	Name:	Register:	Description:	Unit:
30059	**Status_smoke_zone_5**	Analog read only points (Input Registers)	Indicate status of smoke zone 5	

Long description:
Please see Status_smoke_zone_1

Address:	Name:	Register:	Description:	Unit:
30061	**Status_smoke_zone_6**	Analog read only points (Input Registers)	Indicate status of smoke zone 6	
	Long description: Please see Status_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30063	**Status_smoke_zone_7**	Analog read only points (Input Registers)	Indicate status of smoke zone 7	
	Long description: Please see Status_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30065	**Status_smoke_zone_8**	Analog read only points (Input Registers)	Indicate status of smoke zone 8	
	Long description: Please see Status_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30067	**Status_smoke_zone_9**	Analog read only points (Input Registers)	Indicate status of smoke zone 9	
	Long description: Please see Status_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30069	**Status_smoke_zone_10**	Analog read only points (Input Registers)	Indicate status of smoke zone 10	
	Long description: Please see Status_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30071	**Alarm_wind_direction_smoke_zone_1**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 1	
	Long description: Contains the actual alarm wind direction for smoke zone 1			

Address:	Name:	Register:	Description:	Unit:
30072	**Alarm_wind_direction_smoke_zone_2**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 2	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30073	**Alarm_wind_direction_smoke_zone_3**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 3	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30074	**Alarm_wind_direction_smoke_zone_4**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 4	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30075	**Alarm_wind_direction_smoke_zone_5**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 5	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30076	**Alarm_wind_direction_smoke_zone_6**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 6	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30077	**Alarm_wind_direction_smoke_zone_7**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 7	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30078	**Alarm_wind_direction_smoke_zone_8**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 8	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30079	**Alarm_wind_direction_smoke_zone_9**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 9	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30080	**Alarm_wind_direction_smoke_zone_10**	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 10	
	Long description: Please see Alarm_wind_direction_smoke_zone_1			

Address:	Name:	Register:	Description:	Unit:
30081	**Wind_speed**	Analog read only points (Input Registers)	Actual wind speed	m/s
	Long description: Actual wind speed			

Address:	Name:	Register:	Description:	Unit:
30082	**Wind_speed_filtered**	Analog read only points (Input Registers)	Actual filtered wind speed	m/s
	Long description: Actual filtered wind speed			

Address:	Name:	Register:	Description:	Unit:
30083	**Wind_direction**	Analog read only points (Input Registers)	#VALUE!	Deg
	Long description: Actual wind direction			

Address:	Name:	Register:	Description:	Unit:
30084	**Wind_direction_filtered**	Analog read only points (Input Registers)	Actual filtered wind direction	Deg
	Long description: Actual filtered wind direction			

Address:	Name:	Register:	Description:	Unit:
30085	**Status_system**	Analog read only points (Input Registers)	Indicates the detailed status of the system.	
	Long description: Contains the status of the system stored in a 7 bit value. MSB.....LSB Bit 0: 1 = Alarm. Alarm is active in one or more smoke zone. Bit 1: 1 = System error. Errors active in the system. Bit 2: 1 = Mains error. Mains power is ok. The first 30 min. of a mains failure is shown as a warning. Bit 3: 1 = Mains warning. Mains power failure for less than 30 minutes. Bit 4: 1 = Accumulator error. An accumulator error is detected. Bit 5: 1 = Weather data error. Bit 6: 1 = Time for service. The system maintenance timer is expired.			

Register description – Analog read/write points (Holding Registers)

Address:	Name:	Register:	Description:	Unit:
40001	**Max_position_motor_group_1**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 1	Percent
	Long description: This object is used to set the maximum allowed position for the motor line associated to Motor Group 1. When the actuators are moving due to a decreased maximum position heat & smoke speed is being used. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
40002	**Max_position_motor_group_2**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 2	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40003	**Max_position_motor_group_3**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 3	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40004	**Max_position_motor_group_4**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 4	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40005	**Max_position_motor_group_5**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 5	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40006	**Max_position_motor_group_6**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 6	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40007	**Max_position_motor_group_7**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 7	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40008	**Max_position_motor_group_8**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 8	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40009	**Max_position_motor_group_9**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 9	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40010	**Max_position_motor_group_10**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor lines in Motor Group 10	Percent
	Long description: Please see Max_position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40011	**Auto_Position_motor_group_1**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 1	Percent
	Long description: This object is used to set the target position with automatic priority for the motor line associated to Motor Group 1. Automatic speed is used during movement. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
40012	**Auto_Position_motor_group_2**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 2	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40013	**Auto_Position_motor_group_3**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 3	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40014	**Auto_Position_motor_group_4**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 4	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40015	**Auto_Position_motor_group_5**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 5	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40016	**Auto_Position_motor_group_6**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 6	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40017	**Auto_Position_motor_group_7**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 7	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40018	**Auto_Position_motor_group_8**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 8	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40019	**Auto_Position_motor_group_9**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 9	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40020	**Auto_Position_motor_group_10**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 10	Percent
	Long description: Please see Auto_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40021	**Hand_Absolute_Position_motor_group_1**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 1	Percent
	Long description: This object is used to set the target position with manual priority for the motor line associated to Motor Group 1. Hand speed is used during movement. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
40022	**Hand_Absolute_Position_motor_group_2**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 2	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40023	**Hand_Absolute_Position_motor_group_3**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 3	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40024	**Hand_Absolute_Position_motor_group_4**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 4	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40025	**Hand_Absolute_Position_motor_group_5**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 5	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40026	**Hand_Absolute_Position_motor_group_6**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 6	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40027	**Hand_Absolute_Position_motor_group_7**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 7	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40028	**Hand_Absolute_Position_motor_group_8**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 8	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40029	**Hand_Absolute_Position_motor_group_9**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 9	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40030	**Hand_Absolute_Position_motor_group_10**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor lines in Motor Group 10	Percent
	Long description: Please see Hand_Absolute_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40031	**Hand_Relative_Position_motor_group_1**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 1	Percent
	Long description: This object is used to adjust the position with manual priority for the motor line associated to Motor Group 1. Hand speed is used during movement. Range: V: -100..-1 = Move actuator V% of full stroke in the closing direction relative to the current position of the actuator 0: Stop any ongoing actuator movement V: 1..100: Move actuator V% of full stroke in the opening direction relative to the current position of the actuator. V < -100 and >100 are truncated.			

Address:	Name:	Register:	Description:	Unit:
40032	**Hand_Relative_Position_motor_group_2**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 2	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40033	**Hand_Relative_Position_motor_group_3**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 3	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40034	**Hand_Relative_Position_motor_group_4**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 4	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40035	**Hand_Relative_Position_motor_group_5**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 5	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40036	**Hand_Relative_Position_motor_group_6**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 6	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40037	**Hand_Relative_Position_motor_group_7**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 7	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40038	**Hand_Relative_Position_motor_group_8**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 8	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40039	**Hand_Relative_Position_motor_group_9**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 9	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40040	**Hand_Relative_Position_motor_group_10**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor Group 10	Percent
	Long description: Please see Hand_Relative_Position_motor_group_1			

Address:	Name:	Register:	Description:	Unit:
40041	**Max_position_motor_line_S1_X1**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S1_X1	Percent
	Long description: This object is used to set the maximum allowed position for the motor line S1 X1. When the actuators are moving due to a decreased maximum position heat & smoke speed is being used. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
40042	**Max_position_motor_line_S1_X2**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S1_X2	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40043	**Max_position_motor_line_S1_X3**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X1	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40044	**Max_position_motor_line_S1_X4**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X2	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40045	**Max_position_motor_line_S1_X5**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X3	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40046	**Max_position_motor_line_S1_X6**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X4	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40047	**Max_position_motor_line_S1_X7**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X5	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40048	**Max_position_motor_line_S1_X8**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X6	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40049	**Max_position_motor_line_S1_X9**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X7	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40050	**Max_position_motor_line_S1_X10**	Analog read/write points (Holding Registers)	Sets the maximum allowed position for motor line S2_X8	Percent
	Long description: Please see Max_position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40051	**Auto_Position_motor_line_S1_X1**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S1_X1	Percent
	Long description: This object is used to set the target position with automatic priority for the motor line S1 X1. Automatic speed is used during movement. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
40052	**Auto_Position_motor_line_S1_X2**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S1_X2	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40053	**Auto_Position_motor_line_S2_X1**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X1	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40054	**Auto_Position_motor_line_S2_X2**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X2	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40055	**Auto_Position_motor_line_S2_X3**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X3	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40056	**Auto_Position_motor_line_S2_X4**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X4	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40057	**Auto_Position_motor_line_S2_X5**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X5	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40058	**Auto_Position_motor_line_S2_X6**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X6	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40059	**Auto_Position_motor_line_S2_X7**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X7	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40060	**Auto_Position_motor_line_S2_X8**	Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor line S2_X8	Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40061	**Hand_Absolute_Position_motor_line_S1_X1**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S1_X1	Percent
	Long description: This object is used to set the target position with manual priority for the motor line S1 X1. Hand speed is used during movement. Range: 0 - 100 %			

Address:	Name:	Register:	Description:	Unit:
40062	**Hand_Absolute_Position_motor_line_S1_X2**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S1_X2	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40063	**Hand_Absolute_Position_motor_line_S2_X1**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X1	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40064	**Hand_Absolute_Position_motor_line_S2_X2**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X2	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40065	**Hand_Absolute_Position_motor_line_S2_X3**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X3	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40066	**Hand_Absolute_Position_motor_line_S2_X4**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X4	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40067	**Hand_Absolute_Position_motor_line_S2_X5**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X5	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40068	**Hand_Absolute_Position_motor_line_S2_X6**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X6	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40069	**Hand_Absolute_Position_motor_line_S2_X7**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X7	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40070	**Hand_Absolute_Position_motor_line_S2_X8**	Analog read/write points (Holding Registers)	Sets the target position with Hand speed for motor line S2_X8	Percent
	Long description: Please see Hand_Absolute_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40071	**Hand_Relative_Position_motor_line_S1_X1**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S1_X1	Percent
	Long description: This object is used to adjust the position with manual priority for the motor line associated to Motor Group 1. Hand speed is used during movement. Range: V: -100..-1 = Move actuator V% of full stroke in the closing direction relative to the current position of the actuator 0: Stop any ongoing actuator movement V: 1..100: Move actuator V% of full stroke in the opening direction relative to the current position of the actuator. V < -100 and >100 are truncated.			

Address:	Name:	Register:	Description:	Unit:
40072	**Hand_Relative_Position_motor_line_S1_X2**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S1_X2	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40073	**Hand_Relative_Position_motor_line_S2_X1**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X1	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40074	**Hand_Relative_Position_motor_line_S2_X2**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X2	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40075	**Hand_Relative_Position_motor_line_S2_X3**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X3	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40076	**Hand_Relative_Position_motor_line_S2_X4**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X4	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40077	**Hand_Relative_Position_motor_line_S2_X5**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X5	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40078	**Hand_Relative_Position_motor_line_S2_X6**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X6	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40079	**Hand_Relative_Position_motor_line_S2_X7**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X7	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			

Address:	Name:	Register:	Description:	Unit:
40080	**Hand_Relative_Position_motor_line_S2_X8**	Analog read/write points (Holding Registers)	Hand Relative position for motor lines in Motor line S2_X8	Percent
	Long description: Please see Hand_Relative_Position_motor_line_S1_X1			