# **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	1247	1
Baud Rate	1200, 2400, 4800, 9600, <b>19200</b> , 38400, 57600, 76800, 115200, 230400	19200
Parity	None, Odd, <b>Even</b>	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-funct	ion code	Nome	Error	Cupperted	
Hex	Dec	Name	Counter	Supported	
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	✓	<b>✓</b>	
0x11	17	Return Slave Busy Count	<b>✓</b>	✓	
0x12	18	Return Bus Character Overrun Count	<b>✓</b>	✓	
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:	<u>Unit:</u>
00001	Close_motor_line_S1_X1 Lona description:	Digital read/write points (Coils)	Set that motor line S1_X1 must be closed	
	This object is used to indicate that the motor line	must be closed. When closing the Heat & Smoke	e speed is being used	
	0 = Off: Normal operation.	ndst be closed. When closing the fleat & Smok	e speed is being used.	
	1 = On: Motor line must be closed.			
	1 – OH. Wotor line must be diosea.			
Address:	Name:	Register:	Description:	<u>Unit:</u>
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			
	Ticase see Close_Illotol_IIIIe_61_X1			
Address:	Name:	Register:	Description:	<u>Unit:</u>
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			
	Flease see Close_IIIotol_IIIIe_S1_X1			
Address:	Name:	Register:	Description:	<u>Unit:</u>
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			
	Flease see Close_Illotol_Illle_S1_X1			
Address:	Name:	Register:	Description:	<u>Unit:</u>
00005	Close_motor_line_S2_X3	Digital read/write points (Coils)	Set that motor line S2_X3 must be closed	
	Long description:			
<u> </u>	Please see Close_motor_line_S1_X1			
Address:	Name:	Register:	Description:	<u>Unit:</u>
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:	<u>Unit:</u>
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:
80000	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: 00009	Name: Close_motor_line_S2_X7	Register: Digital read/write points (Coils)	Description: Set that motor line S2_X7 must be closed	<u>Unit:</u>
	Long description: Please see Close_motor_line_S1_X1			
Address: 00010	Name: Close_motor_line_S2_X8	Register: Digital read/write points (Coils)	Description: Set that motor line S2_X8 must be closed	<u>Unit:</u>
	Long description: Please see Close_motor_line_S1_X1			
Address: 00011	Name: Connection_1	Register: Digital read/write points (Coils)	Description: Connection_1	<u>Unit:</u>
	Long description: Object that can be associated to an input or outp	, , ,		1
Address: 00012	Name: Connection_2	Register: Digital read/write points (Coils)	Description: Connection_2	<u>Unit:</u>
	Long description: Object that can be associated to an input or outp	. , ,		1
Address: 00013	Name: Connection_3	Register: Digital read/write points (Coils)	Description: Connection 3	<u>Unit:</u>
	Long description: Object that can be associated to an input or outp			
Address: 00014	Name: Connection_4	Register: Digital read/write points (Coils)	Description: Connection 4	<u>Unit:</u>
	Long description: Object that can be associated to an input or outp			
Address: 00015	Name: Connection_5	Register: Digital read/write points (Coils)	Description: Connection 5	<u>Unit:</u>
	Long description: Object that can be associated to an input or outp	. , , ,		
Address: 00016	Name: Connection 6	Register: Digital read/write points (Coils)	Description: Connection 6	<u>Unit:</u>
	Long description: Object that can be associated to an input or outp		1	
Address:	Name:	Register:	Description:	<u>Unit:</u>
00017	Connection_7 Long description:	Digital read/write points (Coils)	Connection_7	
	Object that can be associated to an input or outp	ut of the system		

Address:	Name:	Register:	Description:	<u>Unit:</u>
00018	Connection_8	Digital read/write points (Coils)	Connection_8	
	Long description:			
	Object that can be associated to an input or output	it of the system		
Addross:	Name	Pogistor:	Description:	Unit
Address:	Name:	Register:	Description:	<u>Unit:</u>
00019	Connection_9	Digital read/write points (Coils)	Connection_9	
	Long description:			
	Object that can be associated to an input or output	it of the system		
		·		
Address:	Name:	Register:	Description:	<u>Unit:</u>
00020	Connection_10	Digital read/write points (Coils)	Connection_10	
	Long description:			
	Object that can be associated to an input or outpu	it of the system		

## Register description – Digital read only points (Input Status)

Address:	Name:	Register:	Description:	Unit:
0001	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 close 0 = Not closed. 1 = Closed. All actuators at their closed p	ed status: osition. If locking actuators are present these are als	o locked.	
ddress: 0002	Name: Closed_motor_line_S1_X2	Register: Digital read only points (Input Status)	Description: Indicates Closed / Not closed status for actuators on motor LineS1_X2	<u>Unit:</u>
	Long description: Please see Closed_motor_line_S1_X1			
Address: 10003	Name: Closed_motor_line_S2_X1	Register: Digital read only points (Input Status)	Description: Indicates Closed / Not closed status for actuators on motor LineS2_X1	<u>Unit:</u>
	Long description: Please see Closed_motor_line_S1_X1			
ddress: 0004	Name: Closed_motor_line_S2_X2	Register: Digital read only points (Input Status)	Description: Indicates Closed / Not closed status for actuators on motor LineS2_X2	<u>Unit:</u>
	Long description: Please see Closed_motor_line_S1_X1			

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Address: 10005	Name: Closed_motor_line_S2_X3	Register: Digital read only points (Input Status)	Description: Indicates Closed / Not closed status for actuators on motor LineS2_X3	<u>Unit:</u>
	Long description: Please see Closed_motor_line_S1_X1			
A ddraca:	Name	Degister	Description	Heiti
Address: 10006	Name: Closed_motor_line_S2_X4	Register: Digital read only points (Input Status)	Description: Indicates Closed / Not closed status for actuators on motor LineS2_X4	<u>Unit:</u>
	Long description: Please see Closed_motor_line_S1_X1			
Address: 10007	Name: Closed_motor_line_S2_X5	Register: Digital read only points (Input Status)	Description: Indicates Closed / Not closed status for actuators on motor LineS2_X5	<u>Unit:</u>
	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	Offic.
	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	<u>5</u>
	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	OTIIC.
	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	OTIL.
	Long description: This object contains information about the moto 0 = False: No error condition detected. 1 = True: Error detected.	r line error condition.		

Unit:
or condition for motor LineS1_X2
<u>Unit:</u>
or condition for motor LineS2_X1
Unit:
or condition for motor LineS2_X2
Unit:
or condition for motor LineS2_X3
Unit:
or condition for motor LineS2_X4
Linite
or condition for motor LineS2 X5
or condition for motor LineS2 X6
of Condition for motor Lines2_A6
Unit:
or condition for motor LineS2_X7
<u>Unit:</u>
or condition for motor LineS2_X8

Address: 10021	Name: Alarm_smoke_zone_1	Register: Digital read only points (Input Status)	Description: Smoke zone 1 alarm condition.	<u>Unit:</u>
10021	Long description:	, , , , , , , , , , , , , , , , , , , ,	Official Fulding Condition.	
	This object contains information about the heat a 0 = False: Alarm not active.	nd smoke zone Alaim state.		
	1 = True: Alarm active. Motor controller operated	by a heat and smoke alarm input. No other ope	eration possible.	
Address:	Name:	Register:	Description:	<u>Unit:</u>
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:	<u>Unit:</u>
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:	<u>Unit:</u>
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:	<u>Unit:</u>
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:	<u>Unit:</u>
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:	<u>Unit:</u>
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: 10030	Name: Alarm_smoke_zone_10	Register: Digital read only points (Input Status)	Description: Smoke zone 10 alarm condition.	<u>Unit:</u>
	Long description: Please see Alarm_smoke_zone_1			
ddress: 0031	Name: Error_smoke_zone_1	Register: Digital read only points (Input Status)	Description: Smoke zone 1 error condition.	<u>Unit:</u>
	Long description: This object contains information about th 0 = False: No error condition detected.  1 = True: Error detected.	ne smoke zone error condition.		
ldress:	Name:	Register:	Description:	Unit:
0032	Error_smoke_zone_2	Digital read only points (Input Status)	Smoke zone 2 error condition.	
	Long description: Please see Error_smoke_zone_1	, , , , , , , , , , , , , , , , , , , ,	1	1
ldress:	Name:	Register:	Description:	Unit:
0033	Error_smoke_zone_3	Digital read only points (Input Status)	Smoke zone 3 error condition.	OTIIL.
.0000	Long description:	Digital read only points (input diates)	GITIONE ZOTIC 3 CITOT COTTAINOTI.	
	Please see Error_smoke_zone_1			
dress:	Name:	Register:	Description:	Unit:
034	Error_smoke_zone_4	Digital read only points (Input Status)	Smoke zone 4 error condition.	
	Long description: Please see Error_smoke_zone_1			
ldraga		Dogistor	Description:	Haite
ddress: 0035	Name: Error_smoke_zone_5	Register: Digital read only points (Input Status)	Smoke zone 5 error condition.	<u>Unit:</u>
0000	Long description:	Digital read only points (input Status)	Smoke zone 5 enoi condition.	
	Please see Error_smoke_zone_1			
ldress:	Name:	Register:	Description:	Unit:
0036	Error_smoke_zone_6	Digital read only points (Input Status)	Smoke zone 6 error condition.	
	Long description:	j g (p at 610100)		I
	Please see Error_smoke_zone_1			
dress:	Name:	Register:	Description:	Unit:
037	Error_smoke_zone_7	Digital read only points (Input Status)	Smoke zone 7 error condition.	
	Long description: Please see Error_smoke_zone_1	, , , , , , , , , , , , , , , , , , , ,		1
ldress:	Name:	Register:	Description:	Unit:
0038	Error_smoke_zone_8	Digital read only points (Input Status)	Smoke zone 8 error condition.	Offic.
,,,,,	Long description:	Digital road only points (input otatus)	GHIORE ZONE O CHOI CONDITION.	
	Please see Error_smoke_zone_1			
	1 IOGOO GOO ETTOI_STITORO_ZOTIE_T			

Address:	Name:	Register:	Description:	<u>Unit:</u>
10039	Error_smoke_zone_9	Digital read only points (Input Status)	Smoke zone 9 error condition.	
	Long description:			
	Please see Error_smoke_zone_1			
A 1.1	A I			111.5
Address:	Name:	Register:	Description:	<u>Unit:</u>
10040	Error_smoke_zone_10	Digital read only points (Input Status)	Smoke zone 10 error condition.	
	Long description:			
	Please see Error_smoke_zone_1			
				T
Address:	Name:	Register:	Description:	<u>Unit:</u>
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:	<u>Unit:</u>	
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				
	Bit 0: 1 = Error. One of more motor lines associate				
	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		shold.		
	Bit 5: 1 = Alarm. The motor group is in smoke alar	m 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:	5 71 \1 5 /	V 1		
	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:	5 7 5 7 5 5 5 5 7	J 1	1	
	Please see Status_motor_group_1				
				•	

Address: <b>30005</b>	Name: Status_motor_group_5	Register: Analog read only points (Input Registers)	Description: Indicate status of the motor group 5	<u>Unit:</u>
	Long description: Please see Status_motor_group_1	Training road only points (input registers)	maiota o data o a monor group o	
Address: 30006	Name: Status_motor_group_6	Register: Analog read only points (Input Registers)	Description: Indicate status of the motor group 6	<u>Unit:</u>
	Long description: Please see Status_motor_group_1			
Address: <b>30007</b>	Name: Status_motor_group_7	Register: Analog read only points (Input Registers)	Description: Indicate status of the motor group 7	<u>Unit:</u>
	Long description: Please see Status_motor_group_1	, , , , , , , , , , , , , , , , , , , ,	<u> </u>	-
Address: 30008	Name: Status_motor_group_8	Register: Analog read only points (Input Registers)	Description: Indicate status of the motor group 8	<u>Unit:</u>
	Long description: Please see Status_motor_group_1			
Address: <b>30009</b>	Name: Status_motor_group_9	Register: Analog read only points (Input Registers)	Description: Indicate status of the motor group 9	<u>Unit:</u>
	Long description: Please see Status_motor_group_1			·
Address: <b>30010</b>	Name: Status_motor_group_10	Register: Analog read only points (Input Registers)	Description: Indicate status of the motor group 10	<u>Unit:</u>
	Long description: Please see Status_motor_group_1			
Address: 30011	Name: Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S1_X1	Unit: Percent
	Long description: This object contains the actual position for the mo	, , , , , , , , , , , , , , , , , , , ,		
Address: 30012	Name: Actual_position_motor_line_S1_X2	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S1_X2	Unit: Percent
300.2	Long description: Please see Actual_position_motor_line_S1_X1	The state of the points (input registers)	Toomanie and detail position for motor and of _72	1 0100110
Address: <b>30013</b>	Name: Actual_position_motor_line_S2_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X1	Unit: Percent
	Long description: Please see Actual_position_motor_line_S1_X1			

Address: 30014	Name: Actual_position_motor_line_S2_X2 Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X2	Unit: Percent
Address: <b>30015</b>	Name: Actual_position_motor_line_S2_X3  Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X3	Unit: Percent
Address: 30016	Name: Actual_position_motor_line_S2_X4  Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X4	Unit: Percent
Address: <b>30017</b>	Name: Actual_position_motor_line_S2_X5  Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X5	Unit: Percent
Address: <b>30018</b>	Name: Actual_position_motor_line_S2_X6 Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X6	Unit: Percent
Address: 30019	Name: Actual_position_motor_line_S2_X7  Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X7	Unit: Percent
Address: <b>30020</b>	Name: Actual_position_motor_line_S2_X8 Long description: Please see Actual_position_motor_line_S1_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual position for motor line S2_X8	Unit: Percent
Address: <b>30021</b>	Name: Actual_max_position_motor_line_S1_X1 Long description: This object contains the actual maximum opening Range: 0 - 100 %	Register: Analog read only points (Input Registers) position for the motor line.	Description: Contains the actual max position for motor line S1_X1	Unit: Percent
Address: 30022	Name: Actual_max_position_motor_line_S1_X2 Long description: Please see Actual_max_position_motor_line_S1_	Register: Analog read only points (Input Registers)  X1	Description: Contains the actual max position for motor line S1_X2	Unit: Percent

Address: 30023	Name: Actual_max_position_motor_line_S2_X1	Register: Analog read only points (Input Registers)	Description: Contains the actual max position for motor line S2_X1	<u>Unit:</u> Percent
00020	Long description:	, , , , , , , , , , , , , , , , , , , ,	Contains the detail max position for motor line 62_X1	1 Croon
	Please see Actual_max_position_motor_line_S1	_X1		
Address: <b>30024</b>	Name: Actual_max_position_motor_line_S2_X2	Register: Analog read only points (Input Registers)	Description: Contains the actual max position for motor line S2_X2	Unit: Percent
	Long description: Please see Actual_max_position_motor_line_S1	_X1		
Address: <b>30025</b>	Name: Actual_max_position_motor_line_S2_X3 Long description:	Register: Analog read only points (Input Registers)	Description: Contains the actual max position for motor line S2_X3	Unit: Percent
	Please see Actual_max_position_motor_line_S1	_X1		
Address: <b>30026</b>	Name: Actual_max_position_motor_line_S2_X4	Register: Analog read only points (Input Registers)	Description: Contains the actual max position for motor line S2_X4	Unit: Percent
	Long description: Please see Actual_max_position_motor_line_S1	_X1		
Address: 30027	Name: Actual_max_position_motor_line_S2_X5	Register: Analog read only points (Input Registers)	Description: Contains the actual max position for motor line S2_X5	Unit: Percent
	Long description: Please see Actual_max_position_motor_line_S1	_X1		
Address: 30028	Please see Actual_max_position_motor_line_S1  Name: Actual_max_position_motor_line_S2_X6	_X1    Register:   Analog read only points (Input Registers)	Description: Contains the actual max position for motor line S2_X6	Unit: Percent
	Please see Actual_max_position_motor_line_S1  Name:	Register: Analog read only points (Input Registers)		
	Please see Actual_max_position_motor_line_S1  Name: Actual_max_position_motor_line_S2_X6  Long description: Please see Actual_max_position_motor_line_S1  Name: Actual_max_position_motor_line_S2_X7	Register: Analog read only points (Input Registers)		
30028  Address:	Please see Actual_max_position_motor_line_S1  Name: Actual_max_position_motor_line_S2_X6  Long description: Please see Actual_max_position_motor_line_S1  Name:	Register: Analog read only points (Input Registers)  _X1  Register: Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X6  Description:	Percent  Unit:
30028  Address:	Please see Actual_max_position_motor_line_S1  Name: Actual_max_position_motor_line_S2_X6  Long description: Please see Actual_max_position_motor_line_S1  Name: Actual_max_position_motor_line_S2_X7  Long description:	Register: Analog read only points (Input Registers)  _X1  Register: Analog read only points (Input Registers)	Contains the actual max position for motor line S2_X6  Description:	Percent  Unit:

Name:	Register:	Description:	Unit:
Status_motor_line_S1_X1	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S1_X1	
coherent data:  Bit 0: 1 = Communication error. Communication er  Bit 1: 1 = Cable error. Broken cable detected. Only  Bit 2: 1 = No. of. motors error. Expected no. of mot  Bit 3: 1 = Team size error. Team size value in the r  Bit 4: 1 = Motor parameter error. Key motor param  Bit 5: 1 = No. of locking motors error. Expected no  Bit 6: 1 = Locking motors team size error. Team siz  Bit 7: 1 = Locking motor parameter error. Key locki  Bit 8: 1 = Closed. All actuators on motor line are cle  Bit 9: 1 = Locked. All locking motors are locked. If r  Bit 10: 1 = Position error. The actual position differs  Bit 11: 1 = Motor moving. Motors are moving.  Bit 12: 1 = Motor over current. The motors reported  Bit 13: 1 = Output over current. A too high current of  Bit 14: 1 = Hand grace timer active. An automatic of  Bit 15: 1 = Hand timer active. A hand operation has	ror detected while communicating with one or mapplicable for standard motor output. ors differs from the number of motors found on motors does not match. eters differ between the motors. of WMB motors differ from number found. ete value in the locking motors does not match. ng motor parameters differs between the locking motor parameters differs between the locking cosed. no locking motors are present the bit has the sate from the expected position. die a too high current. detected on the motor line output. operation has started the grace timer. es started the temporary hand timer.	nore motors. Only applicable for MotorLink™ output.  the motor line.	ode 3) to get
Name: Status motor line S1 Y2	Register: Analog read only points (Input Pegisters)	Description:	<u>Unit:</u>
	Analog read only points (input Registers)	Indicate Motor Link status of the motor line 51_72	
Please see Status_motor_line_S1_X1			
Name:	Register:	Description:	Unit:
	Analog read only points (Input Registers)	Indicate MotorLink status of the motor line S2_X1	
Name:	Register:	Description:	<u>Unit:</u>
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			
Name:	Register:	Description:	<u>Unit:</u>
Status motor line S2 X3	Angled read only points (Input Registers)	I indicate Metarlink status at the motor line \$2, 72	
Long description:	Analog read only points (input registers)	Indicate MotorLink status of the motor line S2_X3	
	Status_motor_line_S1_X1  Long description: Contains the status of the motor line stored in a 18 coherent data: Bit 0: 1 = Communication error. Communication error. Bit 1: 1 = Cable error. Broken cable detected. Only Bit 2: 1 = No. of. motors error. Expected no. of motors and size value in the result of the process of th	Analog read only points (Input Registers)  Long description: Contains the status of the motor line stored in a 18 bit value. MSBLSB (2 registers 30031 contains the status of the motor line stored in a 18 bit value. MSBLSB (2 registers 30031 contenent data:  Bit 0: 1 = Communication error. Communication error detected while communicating with one or n Bit 3: 1 = Cable error. Broken cable detected. Only applicable for standard motor output.  Bit 1: 1 = Cable error. Expected no. of motors differs from the number of motors found on 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 Bit 8: 1 = Closed. All locking motors are locked. If no locking motors are present the bit has the sabit 10: 1 = Position error. The actual position differs from the expected position.  Bit 11: 1 = Motor moving. Motors are moving.  Bit 12: 1 = Motor moving. Motors are moving.  Bit 13: 1 = Output over current. A too high current detected on the motor line output.  Bit 14: 1 = Hand grace timer active. A nautomatic 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.  Name:  Status_motor_line_S1_X2	Analog read only points (Input Registers)   Indicate MotorLink status of the motor line S1_X1

Address:	Name:	Register:	Description:	<u>Unit:</u>
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:	- maneg read and perme (input regions)		
	Please see Status_motor_line_S1_X1			
	T lease see Glatus_Hotol_line_G1_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	<u> </u>
00040	Long description:	Trialog read only points (input registers)	Indicate Meteralink states of the meter line 62_76	
	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	OTIIL.
30047		Arialog read only points (input Registers)	indicate MotorLink Status of the motor line 32_A7	
	Long description:			
	Please see Status_motor_line_S1_X1			
	I N			11.1
Address:	Name:	Register:	Description:	<u>Unit:</u>
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	
	Contains the status of smoke zone 1 stored in a 1 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 mit 13: 1 = Motor group error. Error effecting a mit 15: 1 = Master / slave error. No mains power of Bit 17: 1 = Mains power warning. Mains power has Bit 18: 1 = Weather data error.	ne break glass units associated with the smoke notor groups associated with the smoke zone. naster or slave connection on the smoke zone. r PS module error. s been missing for less than 30 minutes.	zone.	
Address: 30053	Name: Status_smoke_zone_2	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 2	<u>Unit:</u>
	Long description: Please see Status_smoke_zone_1			1
Address:	Name:	Register:	Description:	<u>Unit:</u>
30055	Status_smoke_zone_3 Long description:	Analog read only points (Input Registers)	Indicate status of smoke zone 3	
	Please see Status_smoke_zone_1			
Address: 30057	Name: Status smoke zone 4	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 4	<u>Unit:</u>
	Long description:	a.eg .ead em) penne (input regiotolo)		
<u></u>	Please see Status_smoke_zone_1			
Address: 30059	Name: Status_smoke_zone_5	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 5	<u>Unit:</u>
30033	Long description:	Training road only points (input itegisters)	Indicate Status of SHIONE ZONE S	
	Please see Status_smoke_zone_1			

Address: <b>30061</b>	Name: Status_smoke_zone_6	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 6	<u>Unit:</u>
	Long description: Please see Status_smoke_zone_1	<u> </u>		l
Address: 30063	Name: Status_smoke_zone_7	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 7	<u>Unit:</u>
	Long description: Please see Status_smoke_zone_1			
Address: <b>30065</b>	Name: Status_smoke_zone_8	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 8	<u>Unit:</u>
30003	Long description: Please see Status_smoke_zone_1	Analog read only points (input Registers)	Indicate Status of SHIOKE ZONE o	
Address: 30067	Name: Status_smoke_zone_9	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 9	<u>Unit:</u>
	Long description: Please see Status_smoke_zone_1			
Address: <b>30069</b>	Name: Status_smoke_zone_10	Register: Analog read only points (Input Registers)	Description: Indicate status of smoke zone 10	<u>Unit:</u>
	Long description: Please see Status_smoke_zone_1			
Address: 30071	Name: Alarm_wind_direction_smoke_zone_1	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 1	<u>Unit:</u>
	Long description: Contains the actual alarm wind direction for smok	, , , , , , , , , , , , , , , , , , , ,	Contains the detail alain while all estion for emerce 2010 1	
Address: 30072	Name: Alarm_wind_direction_smoke_zone_2	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 2	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_	, , , , , , , , , , , , , , , , , , , ,		
Address: <b>30073</b>	Name: Alarm_wind_direction_smoke_zone_3	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 3	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_			
Address:	Name:	Register:	Description:	<u>Unit:</u>
30074	Alarm_wind_direction_smoke_zone_4  Long description: Please see Alarm_wind_direction_smoke_zone_r	Analog read only points (Input Registers)	Contains the actual alarm wind direction for smoke zone 4	

Address: <b>30075</b>	Name: Alarm_wind_direction_smoke_zone_5 Long description:	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 5	<u>Unit:</u>
	Please see Alarm_wind_direction_smoke_zone_1			
Address: <b>30076</b>	Name: Alarm_wind_direction_smoke_zone_6	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 6	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_1			
Address: <b>30077</b>	Name: Alarm_wind_direction_smoke_zone_7	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 7	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_1	-		
Address: <b>30078</b>	Name: Alarm_wind_direction_smoke_zone_8	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 8	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_1			
Address: <b>30079</b>	Name: Alarm_wind_direction_smoke_zone_9	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 9	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_1	, , , , , , , , , , , , , , , , , , , ,		
Address: 30080	Name: Alarm_wind_direction_smoke_zone_10	Register: Analog read only points (Input Registers)	Description: Contains the actual alarm wind direction for smoke zone 10	<u>Unit:</u>
	Long description: Please see Alarm_wind_direction_smoke_zone_1			
Address: 30081	Name: Wind_speed	Register: Analog read only points (Input Registers)	Description: Actual wind speed	Unit: m/s
	Long description: Actual wind speed			
Address: 30082	Name: Wind_speed_filtered	Register: Analog read only points (Input Registers)	Description: Actual filtered wind speed	Unit: m/s
33302	Long description: Actual filtered wind speed	Transition of the points (input registers)	T A COURT INTO OPOOR	1 .11,0
Address: 30083	Name: Wind_direction	Register: Analog read only points (Input Registers)	Description: #VALUE!	Unit: Deg
	Long description: Actual wind direction	1 - mail g . sad only points (input responde)	<u> </u>	1 - 28

Address:	Name:	Register:	Description:	<u>Unit:</u>
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:	<u>Unit:</u>
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. MSBLSB		
	Bit 0: 1 = Alarm. Alarm is active in one or more sm	noke zone.		
	Bit 1: 1 = System error. Errors active in the system	1.		
	Bit 2: 1 = Mains error. Mains power is ok. The first		na	
	Bit 3: 1 = Mains warning. Mains power failure for le		119.	
	Bit 4: 1 = Accumulator error. An accumulator error	is detected.		
	Bit 5: 1 = Weather data error.			
	Bit 6: 1 = Time for service. The system maintenan	ce timer is expired.		
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# 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 heat & smoke speed is being used. Range: 0 - 100 %	osition for the motor line associated to Motor Gr	oup 1. When the actuators are moving due to a decreased	maximum
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: 40003	Name: Max_position_motor_group_3	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor lines in Motor Group 3	<u>Unit:</u> 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: 40005	Name: Max_position_motor_group_5	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor lines in Motor Group 5	Unit: Percent
	Long description: Please see Max_position_motor_group_1			
Address: 40006	Name: Max_position_motor_group_6	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor lines in Motor Group 6	Unit: Percent
	Long description: Please see Max_position_motor_group_1			
Address: 40007	Name: Max_position_motor_group_7	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor lines in Motor Group 7	Unit: Percent
	Long description: Please see Max_position_motor_group_1			
Address: 40008	Name: Max_position_motor_group_8	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor lines in Motor Group 8	Unit: 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: 40010	Name: Max_position_motor_group_10	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor lines in Motor Group 10	Unit: Percent
	Long description: Please see Max_position_motor_group_1			
Address: 40011	Name: Auto_Position_motor_group_1	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 1	Unit: Percent
	Long description: This object is used to set the target position with a Range: 0 - 100 %	automatic priority for the motor line associated to	Motor Group 1. Automatic speed is used during movement.	

Address: 40012	Name: Auto_Position_motor_group_2	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 2	<u>Unit:</u> Percent
	Long description: Please see Auto_Position_motor_group_1			
Address: 40013	Name: Auto_Position_motor_group_3	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 3	Unit: Percent
	Long description: Please see Auto_Position_motor_group_1			
Address: 40014	Name: Auto_Position_motor_group_4	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 4	Unit: Percent
	Long description: Please see Auto_Position_motor_group_1			
Address: 40015	Name: Auto_Position_motor_group_5	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 5	Unit: Percent
	Long description: Please see Auto_Position_motor_group_1			
Address: 40016	Name: Auto_Position_motor_group_6	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 6	Unit: Percent
			Sets the target position with auto speed for motor lines in	
	Auto_Position_motor_group_6  Long description:		Sets the target position with auto speed for motor lines in	
40016  Address:	Auto_Position_motor_group_6  Long description: Please see Auto_Position_motor_group_1  Name:	Analog read/write points (Holding Registers)  Register:	Sets the target position with auto speed for motor lines in Motor Group 6  Description: Sets the target position with auto speed for motor lines in	Percent
40016  Address: 40017	Auto_Position_motor_group_6  Long description: Please see Auto_Position_motor_group_1  Name: Auto_Position_motor_group_7  Long description: Please see Auto_Position_motor_group_1	Analog read/write points (Holding Registers)  Register: Analog read/write points (Holding Registers)	Sets the target position with auto speed for motor lines in Motor Group 6  Description: Sets the target position with auto speed for motor lines in Motor Group 7	Percent  Unit: Percent
40016  Address:	Auto_Position_motor_group_6  Long description: Please see Auto_Position_motor_group_1  Name: Auto_Position_motor_group_7  Long description:	Analog read/write points (Holding Registers)  Register:	Sets the target position with auto speed for motor lines in Motor Group 6  Description: Sets the target position with auto speed for motor lines in	Percent  Unit:
Address: 40017  Address:	Auto_Position_motor_group_6  Long description: Please see Auto_Position_motor_group_1  Name: Auto_Position_motor_group_7  Long description: Please see Auto_Position_motor_group_1  Name:	Analog read/write points (Holding Registers)  Register: Analog read/write points (Holding Registers)  Register:	Sets the target position with auto speed for motor lines in Motor Group 6  Description: Sets the target position with auto speed for motor lines in Motor Group 7  Description: Sets the target position with auto speed for motor lines in Motor Group 7	Percent  Unit: Percent  Unit:
Address: 40017  Address:	Auto_Position_motor_group_6  Long description: Please see Auto_Position_motor_group_1  Name: Auto_Position_motor_group_7  Long description: Please see Auto_Position_motor_group_1  Name: Auto_Position_motor_group_8  Long description:	Analog read/write points (Holding Registers)  Register: Analog read/write points (Holding Registers)  Register:	Sets the target position with auto speed for motor lines in Motor Group 6  Description: Sets the target position with auto speed for motor lines in Motor Group 7  Description: Sets the target position with auto speed for motor lines in Motor Group 7	Unit: Percent  Unit: Unit:

Address: 40020	Name: Auto_Position_motor_group_10	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor lines in Motor Group 10	Unit: Percent
	Long description: Please see Auto_Position_motor_group_1			
Address: 40021	Name: Hand_Absolute_Position_motor_group_1	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 1	Unit: Percent
	Long description: This object is used to set the target position with Range: 0 - 100 %	manual priority for the motor line associated to M	Notor Group 1. Hand speed is used during movement.	
Address: 40022	Name: Hand_Absolute_Position_motor_group_2	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 2	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_group	up_1		
Address: 40023	Name: Hand_Absolute_Position_motor_group_3	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 3	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_group	up_1		
Address: 40024	Name: Hand_Absolute_Position_motor_group_4	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 4	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_group	up_1		
Address: 40025	Name: Hand_Absolute_Position_motor_group_5	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 5	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_group	up_1		
Address: 40026	Name: Hand_Absolute_Position_motor_group_6	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 6	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_group	up 1		

Address: <b>40027</b>	Name: Hand_Absolute_Position_motor_group_7	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor lines in Motor Group 7	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_grou	o_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_grou	o_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_grou	o_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_grou	o_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 man Range: V: -1001 = Move actuator V% of full stroke in the O: Stop any ongoing actuator movement V: 1100: Move actuator V% of full stroke in the O V < -100 and >100 are truncated.	e closing direction relative to the current position		
Address:	Name:	Register:	Description:	<u>Unit:</u>
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	<u> </u>	·	

Address: 40034	Name: Hand_Relative_Position_motor_group_4  Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor Group 4	Unit: Percent
Address: 40035	Name: Hand_Relative_Position_motor_group_5 Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor Group 5	Unit: Percent
Address: 40036	Name: Hand_Relative_Position_motor_group_6 Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)  _1	Description: Hand Relative position for motor lines in Motor Group 6	Unit: Percent
Address: 40037	Name: Hand_Relative_Position_motor_group_7 Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor Group 7	Unit: Percent
Address: 40038	Name: Hand_Relative_Position_motor_group_8 Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor Group 8	Unit: Percent
Address: 40039	Name: Hand_Relative_Position_motor_group_9 Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor Group 9	Unit: Percent
Address: 40040	Name: Hand_Relative_Position_motor_group_10 Long description: Please see Hand_Relative_Position_motor_group	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor Group 10	Unit: Percent
Address: 40041	Name:  Max_position_motor_line_S1_X1  Long description: This object is used to set the maximum allowed pospeed is being used.  Range: 0 - 100 %	Register: Analog read/write points (Holding Registers) osition for the motor line S1 X1. When the actua	Description: Sets the maximum allowed position for motor line S1_X1 stors are moving due to a decreased maximum position heat	Unit: Percent & smoke
Address: 40042	Name:  Max_position_motor_line_S1_X2  Long description: Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S1_X2	Unit: Percent

Address: 40043	Name: Max_position_motor_line_S1_X3 Long description:	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X1	Unit: Percent
	Please see Max_position_motor_line_S1_X1			
Address: 40044	Name:  Max_position_motor_line_S1_X4  Long description: Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X2	Unit: Percent
Address: 40045	Name:  Max_position_motor_line_S1_X5  Long description: Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X3	Unit: Percent
Address: 40046	Name:  Max_position_motor_line_S1_X6  Long description: Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X4	Unit: Percent
Address: 40047	Name:  Max_position_motor_line_S1_X7  Long description: Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X5	<u>Unit:</u> Percent
Address: 40048	Name:  Max_position_motor_line_S1_X8  Long description:  Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X6	Unit: Percent
Address: 40049	Name:  Max_position_motor_line_S1_X9  Long description: Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X7	Unit: Percent
Address: 40050	Name:  Max_position_motor_line_S1_X10  Long description:  Please see Max_position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the maximum allowed position for motor line S2_X8	Unit: Percent
Address: 40051	Name: Auto_Position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S1_X1	Unit: Percent
	Long description: This object is used to set the target position with a Range: 0 - 100 %	automatic priority for the motor line S1 X1. Auton	natic speed is used during movement.	

Address: 40052	Name: Auto_Position_motor_line_S1_X2	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S1_X2	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			
Address: 40053	Name: Auto_Position_motor_line_S2_X1	Register: Analog read/write points (Holding Registers)	Description:  Sets the target position with auto speed for motor line S2_X1	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			
Address: 40054	Name: Auto_Position_motor_line_S2_X2	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S2 X2	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			1
Address: 40055	Name: Auto_Position_motor_line_S2_X3	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S2_X3	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			
Address: 40056	Name: Auto_Position_motor_line_S2_X4	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S2_X4	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			•
Address: 40057	Name: Auto_Position_motor_line_S2_X5	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S2_X5	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			
Address: 40058	Name: Auto_Position_motor_line_S2_X6	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S2_X6	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			
Address: 40059	Name: Auto_Position_motor_line_S2_X7	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line S2_X7	Unit: Percent
	Long description: Please see Auto_Position_motor_line_S1_X1			

Address: <b>40060</b>	Name: Auto_Position_motor_line_S2_X8	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with auto speed for motor line	Unit: Percent
10000		, maiog road, mile pointe (Florally regions)	S2_X8	, orderik
	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 n Range: 0 - 100 %	nanual priority for the motor line S1 X1. Hand s	peed is used during movement.	
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: 40063	Name: Hand_Absolute_Position_motor_line_S2_X1	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor line S2_X1	Unit: 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: 40066	Name: Hand_Absolute_Position_motor_line_S2_X4	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor line S2_X4	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_line_	S1_X1		

Address: 40067	Name: Hand_Absolute_Position_motor_line_S2_X5 Long description:	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor line S2_X5	Unit: Percent
	Please see Hand_Absolute_Position_motor_line_	S1_X1		
Address: 40068	Name: Hand_Absolute_Position_motor_line_S2_X6	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor line S2_X6	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_line_	S1_X1		
Address: 40069	Name: Hand_Absolute_Position_motor_line_S2_X7	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor line S2_X7	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_line_	S1_X1		
Address: 40070	Name: Hand_Absolute_Position_motor_line_S2_X8	Register: Analog read/write points (Holding Registers)	Description: Sets the target position with Hand speed for motor line S2_X8	Unit: Percent
	Long description: Please see Hand_Absolute_Position_motor_line_	S1_X1		
Address: 40071	Name: Hand_Relative_Position_motor_line_S1_X1	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor line S1_X1	Unit: Percent
	Long description: This object is used to adjust the position with man Range: V: -1001 = Move actuator V% of full stroke in the 0: Stop any ongoing actuator movement V: 1100: Move actuator V% of full stroke in the 0 V < -100 and >100 are truncated.	ne closing direction relative to the current position		
Address: 40072	Name: Hand_Relative_Position_motor_line_S1_X2 Long description: Please see Hand_Relative_Position_motor_line_S1	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor line S1_X2	Unit: Percent
Address: 40073	Name: Hand_Relative_Position_motor_line_S2_X1 Long description: Please see Hand_Relative_Position_motor_line_S	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor line S2_X1	Unit: Percent

Address: 40074	Name: Hand Relative Position motor line S2 X2	Register: Analog read/write points (Holding Registers)	Description: Hand Relative position for motor lines in Motor line S2_X2	Unit: Percent
40074	Long description: Please see Hand_Relative_Position_motor_line_		Thank Relative position for motor lines in wotor line 92_X2	1 Groom
Address: 40075	Name: Hand_Relative_Position_motor_line_S2_X3 Long description: Please see Hand_Relative_Position_motor_line_:	Register: Analog read/write points (Holding Registers) S1_X1	Description: Hand Relative position for motor lines in Motor line S2_X3	Unit: Percent
Address: 40076	Name: Hand_Relative_Position_motor_line_S2_X4 Long description: Please see Hand_Relative_Position_motor_line_s	Register: Analog read/write points (Holding Registers) S1_X1	Description: Hand Relative position for motor lines in Motor line S2_X4	Unit: Percent
Address: <b>40077</b>	Name: Hand_Relative_Position_motor_line_S2_X5 Long description: Please see Hand_Relative_Position_motor_line_:	Register: Analog read/write points (Holding Registers) S1_X1	Description: Hand Relative position for motor lines in Motor line S2_X5	Unit: Percent
Address: 40078	Name: Hand_Relative_Position_motor_line_S2_X6 Long description: Please see Hand_Relative_Position_motor_line_S2_X6	Register: Analog read/write points (Holding Registers) S1_X1	Description: Hand Relative position for motor lines in Motor line S2_X6	Unit: Percent
Address: 40079	Name: Hand_Relative_Position_motor_line_S2_X7 Long description: Please see Hand_Relative_Position_motor_line_S	Register: Analog read/write points (Holding Registers) S1_X1	Description: Hand Relative position for motor lines in Motor line S2_X7	Unit: Percent
Address: 40080	Name: Hand_Relative_Position_motor_line_S2_X8 Long description: Please see Hand_Relative_Position_motor_line_s	Register: Analog read/write points (Holding Registers) S1_X1	Description: Hand Relative position for motor lines in Motor line S2_X8	Unit: Percent