

QUICKSTART INSTRUCTIONS



ABSOLUTE ENCODER WITH PROFINET INTERFACE



Create a New Project

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-				Totally Integrated Automation PORTAL
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D Configure a Device





Add a PLC







Download the correct GSDML File from our Website



Interface



Add the GSDML File

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Install the GSDML file

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to the general station description file.

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Add the Encoder

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Assign the Encoder

- 1. Click on Not Assigned in the encoder frame
- 2. Assign it to the corresponding PLC

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Establish the Connection

Important: The connection must correspond with the onsite cable connection of your system.

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Select the encoder to be assigned

Assign PROFINET device name.



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Set the IP address of the Encoder M Siemens - C:\Users\support_mot\Desktop\Test_Project\Test_Project

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Multiple parameters can be configured in Module Access Point

You can configure several parameters you need: Measuring units per revolution, Total measuring range, etc.

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Compile and Download the Project

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Check the IO Addresses in the Telegram

Important: Pay attention to the I/O addresses. You need them later when the position values are monitored.

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Monitor Values >

- 1. Use the Watch and force tables to monitor values
- 2. Go to Force table
- 3. Click on Monitor Values
- 4. In a free row add the address: "%ID14" to monitor position value

Important: The value in blue depends on the chosen Telegram (here Telegram 860). Check the manual for more information.

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Preset Value

- 1. In a free row add the address: "%QD10" for preset position value 2. Add the desired value(Bit 31 is set to "1" for Preset Control) 3. Click on Force
- **Important:** The value in blue depends on the chosen Telegram (here given for Telegram 860).

- 1. Save the Preset: Bit 31 is set back to "0" for saving the preset
- 2. Click on Force
- 3. Now the Preset is set to "0"

Now Values in cell 1 and cell 3 are equal. Value from cell 1 was "forced" in cell 3

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Preset Value - Explanation

The way of defining the preset value: Preset Control: Bit 31 must be set the to "1" In HEX it is: 16#8000_0000 In BIN it is: 2#1000_0000_0000_0000_0000_0000_0000

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1 Fa F. F. 9 99					ý Ý	12 L. F. F.	F. 99 99						
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B %QD10:P	lex 🔽 😵	Permanent 🔽 16	6#8000_0000	1	1 <u>F</u>		SQD10:P	Hex	▼ %	Permanent	16#0000_0000		
1 %ID14:P	DEC 619	Permanent 🦷			2		%ID14:P	DEC	0	Permanent	4		
<add new=""></add>	4.		. .		3		<add new=""></add>		3.		ь.		

We recommend to use the Hexadecimal values. As it is shorter, it is less likely to lead to mistakes.

Important: For more information check "Preset Value" chapter in the manual



Example: Set the Preset to "5"

1.In cell 1 preset control is active (31 bit is set to "1" HEX: 16#8000_0000) and the desired value is set: "5" 2.Click on Force 3. The value is set to 5

5. Click on Force



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4. Save the Preset: 31 bit back to "0" 6. The value is set and saved to 5

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Monitor the Velocity

- Add the Address for the Velocity : ID18 (ID14 +4) in that case
 When moving the shaft, the velocity is monitored

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	i Name	Address	Display format	ti I	Monitor value	Monito	r with trigger	Force value	ù	F	Comment
1	F	%QD10:P	Hex	-	8	Perman	nent	16#0000_0	0005		
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4		1 ^{Add new>}									
\$ 7	1200_OCD-EIC	_ET200SP_IOlink	PLC_1 [CPU	1215	5C DC/DC/DC	🕨 Wat	tch and fore	e tables	Fore	e table	
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\$7 1 2 3 4	1200_OCD-EIC 같 // 환 11-0 i Name	ET200SP_IOlink F F F F F C Address %QD10:P %ID14:P S Add new:	PLC_1 [CPU Display Hex DEC DEC	1215	at Monito □ 19725 ↓ ↓ 46449	▶ Wat	Monitor w Permaner Permaner	ith trigger nt nt	Force	value	5 F

