

Data Sheet CODESYS Profibus Master (for EL6731) SL

CODESYS Profibus Master (for EL6731) SL is a product that allows end users to integrate their devices as a Profibus master into a Profibus network.

Product description

The EL6731 gateway terminal from Beckhoff allows an EtherCAT enabled controller to register itself as a Profibus master in a Profibus network. For this purpose, a specific CODESYS compatible controller with EtherCAT fieldbus support is licensed accordingly. This product allows the integration of the terminal into an EtherCAT tree and the configuration directly from withing the CODESYS Development System. For CODESYS compatible controllers to use this functionality, they require the EL6731 Profibus master gateway. End users of CODESYS compatible controllers with EtherCAT are provided with the option for configuring their device as a Profibus master and integrating it into existing Profibus architectures.

More information

A special device description for the EL6731 gateway terminal allows integration into an appropriate EtherCAT fieldbus coupler (example: EK1100) of the CODESYS project according to the physical configuration.

Architecture

Typical structure of the configuration:

- | fieldbus coupler (example: EK1100)
 - |- EL6731 ||- transition to Profibus ||- Profibus slave ||- Profibus I/O modules |- Any other EtherCAT I/O modules

	EL6731.project - CODESYS			
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	Devices v 4 X	EL6731 PB Master X		.
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the settings	Grand Pice Logic	Profibus DP Parameters	Highest station address: 125 ÷	
	Library Manager ElC_RG (PRG) ElC_Task Configuration	Profibus DP I/O Mapping	Parameters	Groups
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		Information	۲. III.	•
Configuration of the device tree		∑i] XH_GWBR_DPV1 X ▼		
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		Diagnosis	Ident number: 0x0288 Lock/Unlock: 2 (Lock)	▼ Ti <u>m</u> e (m
		Profibus DP Parameters	User parameters	
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			Last build: 🔇 0 😗 0 Precompile: 🧹 Current user: (n	obody)

Picture 1: Example of the configuration dialog for the EL6731 configurator

General information

Manufacturer:

3S-Smart Software Solutions GmbH Memminger Strasse 151 87439 Kempten Germany

Support:

https://support.codesys.com

Item: CODESYS Profibus Master (for EL6731) SL Item number: 2303000012 Sales:

CODESYS Store https://store.codesys.com

Included in delivery:

License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.4.0 or higher		
Runtime System	CODESYS Control V3.5.4.0 or higher		
	Note: Use the project "Device Reader" to find out the supported		
Supported Platforms/ Devices	features of your device. "Device Reader" is available for free in the CODESYS Store.		
Additional Requirements	Available EtherCAT Master and Ethernet port on the deviceWIBU Codemeter support		
Restrictions	-		
	License activation optional on CODESYS Runtime Key or		
Licensing	CODESYS Soft Key (free of charge component of CODESYS		
	Controls)		
Required Accessories	PROFIBUS master terminal EL6731 (Beckhoff)		
	Optional: CODESYS Runtime Key		

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.