

# Product sheet

## PLC with VDV-IBIS-Interface



### Short description:

- PLC for universal function extension in trams and trains
- Reads the telegrams on the IBIS vehicle bus out, analyses them and gives a feedback signal
- The interpretation of special telegrams is not an issue
- The PLC can be easily and freely programmed with the CoDeSys software by the user
- Meets the European Standards for electronics at rail vehicles
- Module can be extended optional

### Specification

<b>CPU</b>		<b>Article Number: 405708</b>
Operating system	Linux	
Number I/O Module	max. 16	
CPU Type	Power PC MPC 823e / 66 MHz	
Memory	16 MB SDRAM; 4 MB Flash	
Interface 1	RS232	
Interface 2	Ethernet (Service)	
<b>Power Supply</b>		<b>Article Number: 405709</b>
Input voltage	24 V DC (reverse voltage protection)	
Output voltage	5 V DC / 3,3 V DC (only internal)	
Max. output current	500 mA (5V) / 3A (3,3V)	
<b>IBIS vehicle bus converter V24-RS232</b>		<b>Article Number: 501524</b>
Input voltage	24 V DC (reverse voltage protection)	
Interface 1	IBIS vehicle bus / V24 (WBSD/WBED)	
Interface 2	RS232	
<b>I/O Module</b>		<b>Article Number: I: 405710 O: 405711</b>
Binary-Input module	8 binary inputs 24 V DC positive or negative switching	
Binary-Output module	8 binary outputs 24 V DC; 1 A positive or negative switching	
Analog Module 1	4 analog inputs/2 analog outputs/0 (4)-20 mA, 0-10 V, +/-10 V	
Analog Module 2	2 analog outputs/ 0 (4)-20 mA, 0-10 V, +/-10 V	
Temperature Module	4 PT 100 inputs /2-,3-,4-wire measurement	
<b>Technical Data</b>		
Temperature area (operating)	-25° to + 75 °C	
Temperature area (storage)	-50° to + 85 °C	
Humidity	max. 80%	
Programming	EN 61131-3 with the tool CoDeSys	
Assembly	DIN rail	
Size of each individual module (WxHxD)	22.5 x 99.5 x 114.5 mm	

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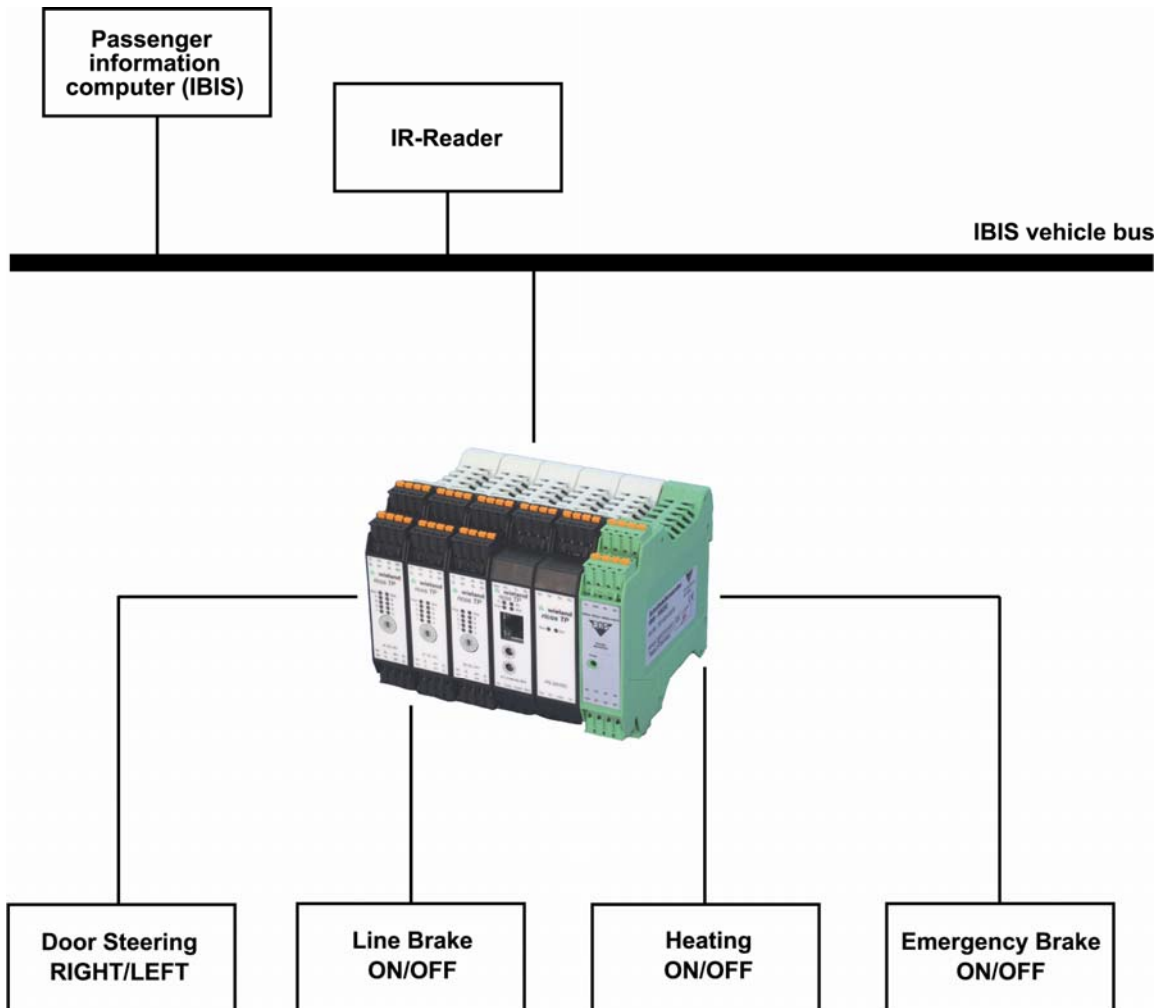
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### Meets the following railway standards:

Climate-proof and shake-proof	EN 50155 T3
Check to product standard	EN50121-3-2
Emitted interference	EN55011

Example:



All information provided in this product sheet refers to the current conditions and may be subject to change.