



Weighing technology

FAQs

SIWAREX WP351

How to control or limit the simultaneously use of system function data record read and / or write?

V1.0.3 August 2020

How to control or limit the simultaneously use of system function data record read and / or write?

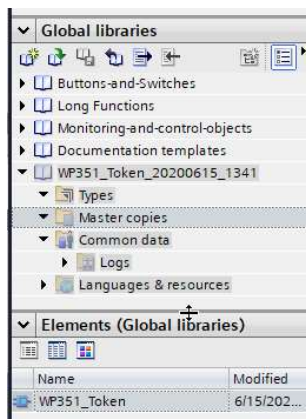
The library is created for 1200 and 1500 CPU's. The function block "WP351_Token" is an extension of the "WP351_Multiplex" getting started.

The block is used to control or limit the simultaneously use of system function data record read and / or write.

Information about the limits for simultaneously use of data records read and write for the different CPU's and with specific firmware versions can be found in this link.

<https://support.industry.siemens.com/cs/ww/en/view/15364459>

After unpacking the library, you will find the block WP351_Token in the Elements:



The block is developed for several scales and need to be called inside the FB "WP351_Multi_Call" in the way described in the screenshot below.

The "WP351_Token" has to be connected to the interface DB (see screen shoot)

The In/out PIN Token_in and Token_out is the hand over from and to the next WP351_Token block. The pin Token_out is used on Token_in on the next WP351_Token block and the Pin Token_out from the last WP351_Token has to be used on the pin Token_in on the first WP351_Token block.

In that way a token hand over chain is crated.

It is possible to create more chains if needed.

See information about the setup on the following screen shoots.

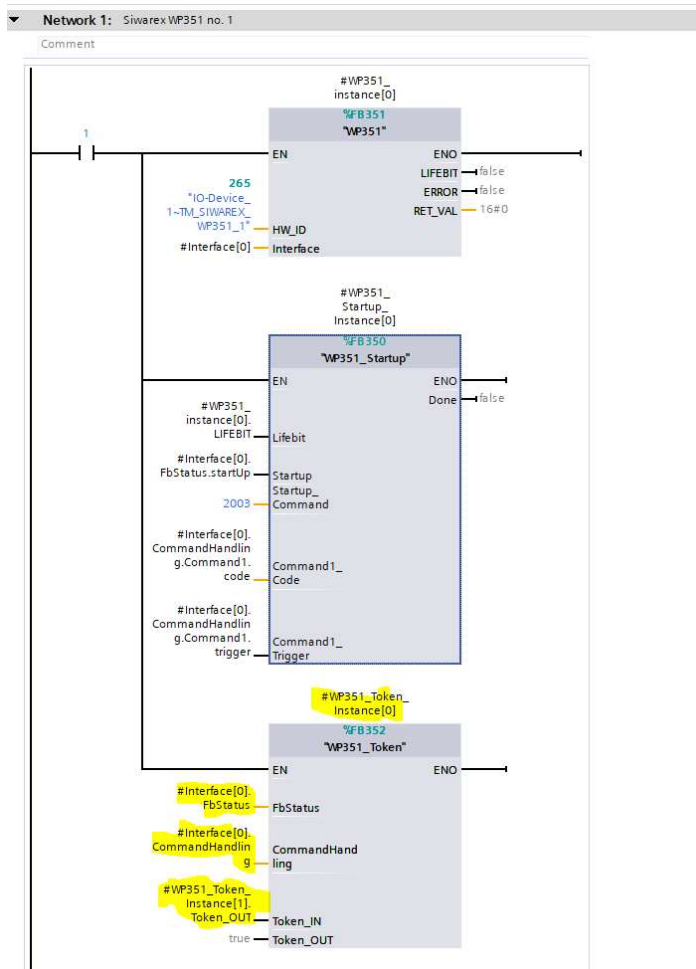
Insert an array of "WP351_token_instance" in the static I/O area

| WP351_Multi_Call | | | | | | | | | | |
|------------------|------------------------|--------------------------------------------|--------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|-----|
| Name | Data type | Default value | Retain | Accessible f... | Writa... | Visible in ... | Setpoint | Supervis... | Cor | |
| 1 | Input | | | | | | | | | |
| 2 | <Add new> | | | | | | | | | |
| 3 | Output | | | | | | | | | |
| 4 | <Add new> | | | | | | | | | |
| 5 | InOut | | | | | | | | | |
| 6 | Interface | Array[0..1] of "Siwarex_WP351_InterfaceDB" | | | | | | | | Int |
| 7 | Static | | | | | | | | | |
| 8 | WP351_instance | Array[0..1] of "WP351" | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | -57 |
| 9 | WP351_Startup_Insta... | Array[0..1] of "WP351_Startup" | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| 10 | WP351_Token_Instance | Array[0..1] of "WP351_Token" | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| 11 | Temp | | | | | | | | | |
| 12 | <Add new> | | | | | | | | | |
| 13 | Constant | | | | | | | | | |
| 14 | <Add new> | | | | | | | | | |

Block title: ...

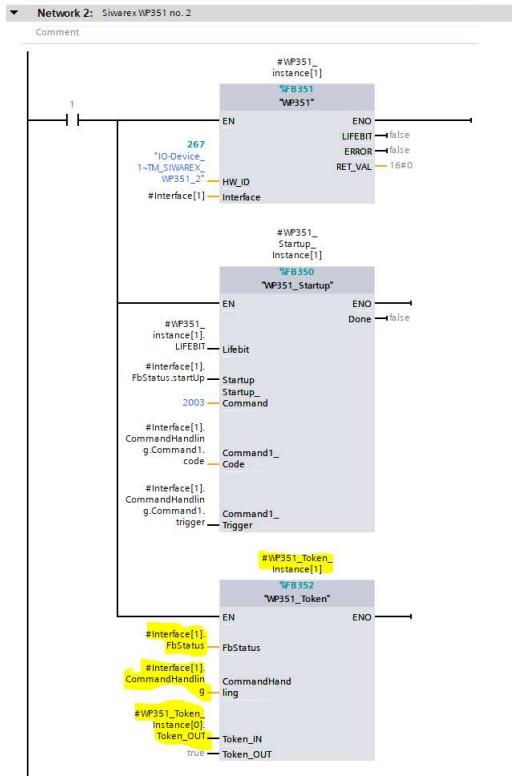
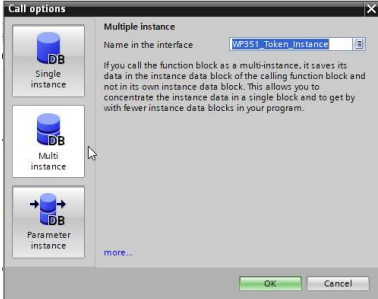
Network 1: Siwarex WP351 no. 1

Create the instance DB's for all token call's (shown as a multi instance DB)



Call of Siwarex WP351 module no. 1

When inserting the FB in the network of from the library you need to select Multiple Instance DB as Instance Data Block.



Call of Siwarex WP351 module no. 2

Contact

If you have any issues or suggestions regarding the related products or documents, please feel free to contact:

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