

How to set interface parameters for an FC block

Give your FC a meaningful name and, if necessary, define its input and output parameters. These parameters serve as the interface for connecting your FC to other parts of the ...

What is an FC in TIA Portal? An FC (Function) is a reusable, stateless block of logic in TIA Portal. It has no internal memory (unlike FBs) and must receive its inputs and outputs during each...

That said, using external parameters that are both inputs and outputs ("InOut" parameters in some languages) could make something work with an FC, where those external persistent ...

Note that access to the input parameters in an F-FB/F-FC is read-only, while access to the output parameters is write-only. Use an in/out parameter if you wish to have both read and write ...

FBs and FCs receive parameters through the IN and IN/OUT interface types. The blocks process the parameters and return values to the caller through the IN/OUT and OUT interface types. The user ...

In this tutorial, we will be looking at the different types of function block instances that can be used in PLC programming using Siemens TIA Portal.

With connection-oriented jobs, you must also reference the connection to be used by its connection ID. You will find this in the properties dialog of the connection under "Block parameters" (refer to the ...

Formal parameters form the interface between the calling and the called block (FC, FB). They are used to realize a data exchange between the calling and the called block.

In this article, we will talk about PLC data block instances of different function block types in Siemens Tia Portal and when to use them.

In this example, we create a simple Function Block (FB) using SCL, which includes both input and output parameters. Defining parameters is an essential part of creating reusable logic blocks.

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