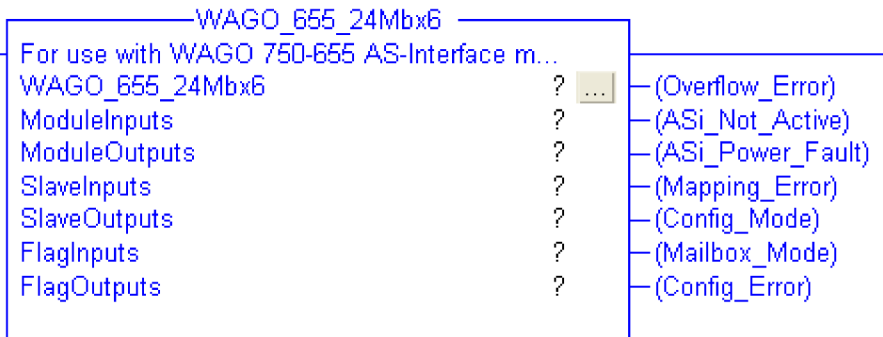


WAGO_655_24Mbx6 v1.1

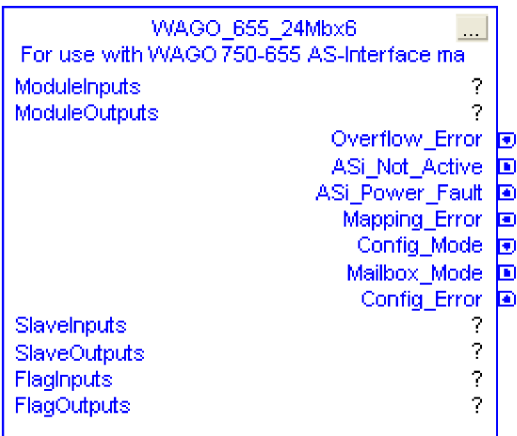
For use with WAGO 750-655 AS-Interface master module, configured for 24 data bytes with 6 byte mailbox (default config)

Available Languages

Relay Ladder



Function Block



Structured Text

WAGO_655_24Mbx6(ModuleInputs, ModuleOutputs, SlaveInputs, SlaveOutputs, FlagInputs, FlagOutputs);

Parameters

Required	Name	Data Type	Usage	Description
X	WAGO_655_24Mbx6	WAGO_655_24Mbx6	InOut	For use with WAGO 750-655 AS-Interface master module, configured for 24 data bytes with 6 byte mailbox (default config)
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	ModuleInputs	SINT	InOut	Input process image of WAGO 750-655 module.
X	ModuleOutputs	SINT	InOut	Output process image of WAGO 750-655 module.

	Overflow_Error	BOOL	Output	AS-Interface incomplete on internal bus (timing)
	ASi_Not_Active	BOOL	Output	AS-Interface not active
	ASi_Power_Fault	BOOL	Output	AS-Interface supply fault or 24V supply fault
	Mapping_Error	BOOL	Output	AS-Interface incomplete on internal bus (mapping)
	Config_Mode	BOOL	Output	Set-up mode
	Mailbox_Mode	BOOL	Output	Mailbox superimposed
	Config_Error	BOOL	Output	Configuration error or at least one of the status bits 1 or 2
X	SlaveInputs	ASiDataInputNibble	InOut	Status of AS-i slave inputs 1-31 (0 not used), 4-bits per slave.
X	SlaveOutputs	ASiDataOutputNibble	InOut	Status of AS-i slave outputs 1-31 (0 not used), 4-bits per slave.
X	FlagInputs	ASiFlagInputNibble	InOut	Status flags of 750-655 AS-Interface Master Module
X	FlagOutputs	ASiFlagOutputNibble	InOut	Control flags of 750-655 AS-Interface Master Module

Extended Description

The WAGO_655_24Mbx6 instruction allows the reading/writing of I/O and configuration data of a WAGO 750-655 AS-Interface Master Module. □

This instruction will only work with a 750-655 module configured for 24 data bytes and a mailbox size of 6 bytes. This is the default configuration of the 750-655 module. With this configuration, it is possible to communicate with up to 31 AS-Interface slave devices.

The 'ModuleInputs' and 'ModuleOutputs' arrays must be mapped to the 24-byte (SINT) input and output process images of the respective WAGO 750-655 AS-Interface Master Module.

Use the Copy (COP) instruction to copy the 750-655 module's 24-byte (SINT) input process image (see 'Controller Tags') to a SINT[24] array for passing data to the 'ModuleInputs' InOut array. Perform this operation before calling the WAGO_655_24Mbx6 Add-On Instruction.

Use the Copy (COP) instruction to copy the 750-655 module's 24-byte (SINT) output process image (see 'Controller Tags') to a SINT[24] array for passing data from the 'ModuleOutputs' InOut array. Perform this operation after calling the WAGO_655_24Mbx6 Add-On Instruction.

Consult the WAGO 750-655 Product Manual for further information about the AS-Interface Master Module.

Execution

<u>Condition</u>	<u>Description</u>
EnableIn is true	

Revision v1.1 Notes

Changed name of instruction and parameters for consistency with other WAGO Add-On Instructions. No change in functionality.