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Published by

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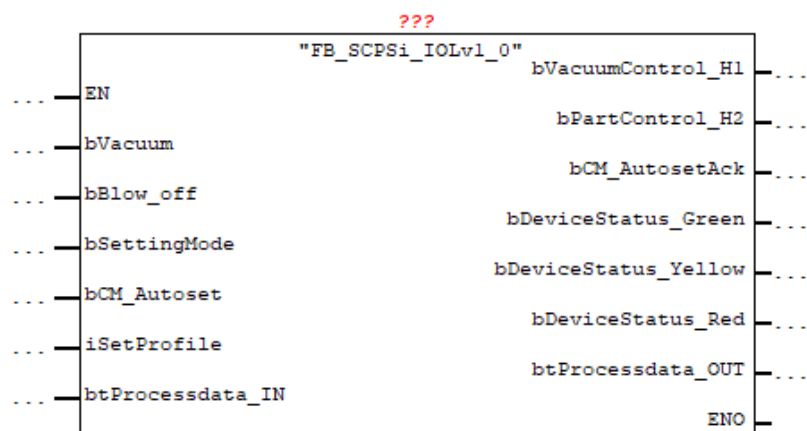
1 Function block "FB_SCPSi_IOLv1_0"

1.1 Brief description

This function block controls the Processdata of Schmalz SCPSi with IO-Link Version 1.0.

1.2 Image of function block

Example of function block:



1.3 Parameter - Input

name	data type	description
bVacuum	BOOL	Request for suction
bBlow_off	BOOL	Request to blow-off
bSettingMode	BOOL	Vacuum on/off with continuous suction disabled
bCM_Autoreset	BOOL	Automatic determination and storage in the active profile of max. leakage rate (-L-) and evacuation time (t-1) of last cycle
iSetProfile	INT	Choice of desired vacuum profile (0 – 3)
btProcessdata_IN	BYTE	Input byte of process data

1.4 Parameter - Output

name	data type	description
bVacuumControl_H1	BOOL	Control value vacuum
bPartControl_H2	BOOL	Switch-on value signal output „Part control“
bCM_AutoresetAck	BOOL	Active when CM Autostart completes successfully
bDeviceStatus_Green	BOOL	Device is working optimally
bDeviceStatus_Yellow	BOOL	Device is working but there are warnings
bDeviceStatus_Red	BOOL	Device is not working properly
btProcessdata_OUT	BYTE	Output byte of process data

1.5 Additional information

To successfully import the AWL source, the assignment between the symbol of the source and the desired block address in the symbol table must first be created.

2 Appendix

2.1 List of abbreviations

abbreviation	description
FB	Function block
EPC	Energy- and Processcontrol
CM	Condition Monitoring
EM	Energy Monitoring
PM	Predictive Maintenance

2.2 Note

- The byte order of the product is represented as big endian.
- The triggering of the vacuum must be carried out in accordance with the corresponding ejector variant (e.g., NO, NC, IMP).

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Version 01 | 01.2020