



VACUUM-AUTOMATION

Function Block-Documentation

„FB_SCPSi_IOLv1_0“ – Beckhoff – TwinCAT 3

Version 01 | 01.2020

Note

This document were originally written in German and have been translated into English.
Store in a safe place for future reference.

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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_Autoset	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_AutosetAck	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

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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