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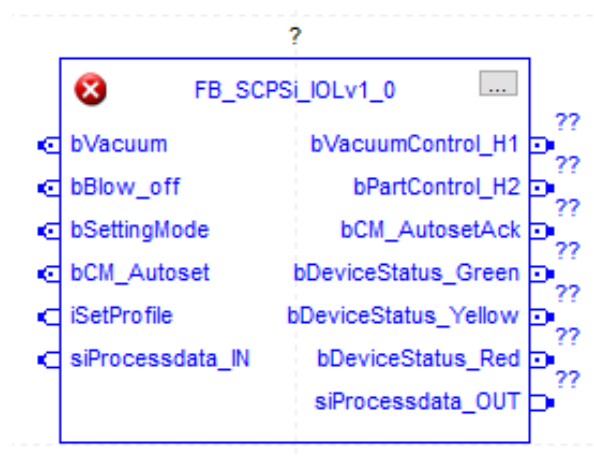
# 1 Function block "FB\_SCPSi\_IOLv1\_0"

## 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_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)   |
| siProcessdata_IN | SINT      | 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                  |
| siProcessdata_OUT    | SINT      | 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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