## **Data point selection**



	Data points from fitting (available data points checked)		R – ii	Fitting nfrared	type I	e CVI	D				<b>=</b> SCHELL
Selection	Designation	wв	wc	UR	wo	₩В	зн	Data point type	Number of data points	Please note	Data points
	Device communication	x	x	x	x	x	x	BI	1	Long text with fitting details.	device.failure
	Battery status	x	x	x	x	х	x	BI	1	Undervoltage event copied from fitting.	device.event_battery_error
	Supply voltage	x	x	x	x	х	x	ВІ	1	Battery operation/mains operation (deduced from voltage) This data point indicates whether the fitting is battery- or mains-powered. This data point typically stays the same/is not changed in practice, so it is not needed very often.	device.power_supply_kind
	Voltage	х	x	x	х	x	x	AI	1	Voltage present at the fitting. The data point can be used to monitor the voltage on battery-operated fittings.	device.supply_voltage
	Undervoltage	x	x	x	x	x	x	BI	1	Undervoltage has been reached, fitting no longer works.	device.undervoltage
	Commissioning	х	x	x	x	х	x	BI	1	This data point indicates the commissioning state. As the SWS system was commissioned during integration into the building management system (BMS), this data point is not relevant for the BMS.	device.commisioned
	Faucet present	x	x	х	x	х	x	ВІ	1	Indicates whether a faucet is connected to the bus extender. Not relevant during normal operation via a BMS.	device.faucet
	Solenoid valve present	x	x	x	x	x	x	BI	1	Indicates whether an additional solenoid valve for TD is connected to the bus extender. Not relevant during normal operation via a BMS.	device.magnet_valve
or server.	Bus extender type	х	x	х	x	х	x	BI	1	Indicates whether a BE-F or BE-K is being used. This data point usually stays the same/is not changed in practice, so the data point is not typically sent to the BMS and monitored.	device.bef_type
ing type	Temperature sensor 1	x	x	x	х	x	x	BI	1	Indicates whether a sensor is present at the terminal for temperature sensor 1.	device.temperature_sensor1
or each fitt	Temperature sensor 2	х	x	х	x	x	x	BI	1	Indicates whether a sensor is present at the terminal for temperature sensor 2.	device.temperature_sensor2
lvailable f	Cleaning stop status	х	x	х	x			BV	2	Enables the activation of the local cleaning stop for this fitting. Not be confused with the cleaning stop for the server.	faucet.cleaning_stop_active
a points a	Cleaning stop flow time	х	x	x	x			AV	2	Flow time for local cleaning stop for the individual fitting, which is triggered via the fitting's short range reflex.	faucet.cleaning_stop_runtime
te the data	Continuous operation	х	x	x	x			BV	2	The fitting's continuous operation function can be activated here. This can be triggered on the fitting via short range reflex. Note: this is the local fitting function.	faucet.continuous_operation_active
lease no	Continuous operation flow time	х	x	x	x			AV	2	Maximum flow time of local continuous operation at this fitting.	faucet.continuous_operation_runtime_sec
ire here. P	Energy saving mode	х	x	x	x			AV	2	Activation of energy saving mode at the fitting after x hours of non-use.	faucet.energy_saving_active_and_time
you requ	Solenoid valve status event	х	x	x	x	x	x	BV	2	Event that occurs when the solenoid valve has switched. Parallel recording on the BMS is not practical (see general information).	faucet.event_valve_on
ata points	Thermal disinfection status event	x	x	х	x	x	x	BI	1	Event that occurs when TD is started or stopped. Parallel recording on the BMS is not practical (see general information).	faucet.event_td_active
nter the d	Stagnation status event	x	x	х	x	x	x	ВІ	1	Event that occurs when a stagnation flush is started or stopped. Parallel recording on the BMS is not practical (see general information).	faucet.event_sf_active
Please e	Continuous operation status event	x	x	x	x			BI	1	Event that occurs when continuous operation is started or stopped. Parallel recording on the BMS is not practical (see general information).	faucet.event_nsop_active

	Data points from fitting (available data points checked)	ints checked) Fitting type CVD									<b>=</b> SCHELL
Selection	Designation	wв	wc	UR	vo	wв	ѕн	Data point type	Number of data points	Please note	Data points
	Cleaning stop status event	x	x	x	х			ВІ	1	Event that occurs when the cleaning stop is started or stopped. Parallel recording on the BMS is not practical (see general information).	faucet.event_cs_active
	Error status event	x	x	x	х	x	х	BI	1	Event that occurs when an error occurs (is reset immediately after transfer via bus). Parallel recording on the BMS is not practical (see general information).	faucet.event_error_active
	Undervoltage event	x	x	x	х	x	х	ВІ	1	Event that occurs when an undervoltage error occurs (is reset immediately after transfer via bus). Parallel recording on the BMS is not practical (see general information).	faucet.event_battery_error
	Follow-up time	х	х	x	x			AI	1	This data point can be used to configure the fitting's follow-up time (e.g. increase user comfort or use to flush out the waste trap).	faucet.flushtime_msec
	Manual programming	х	x	х	x	x	х	BV	2	Allow programming at the individual fitting via short range reflex.	faucet.manual_programming_active
	Maximum flow time	x	x	х	x			AV	2	Maximum flow time for a trigger operation at the individual fitting (with continuous reflection, fitting closes after x seconds).	faucet.max_flushtime_sec
	Operating hours	x	х	х	x	x	х	AI	1	Operating hours counter for individual fitting (total operating hours after first being supplied with power).	faucet.operating_hours
	Operating hours since last reset	х	х	х	x	x	х	AI	1	Operating hours counter for individual fitting after last power-on.	faucet.operating_hours_since_last_powerdown
	Sensor range/actuation force	х	х	х	x	x	x	MV	2	Adjustment of sensor range (for IR) or actuation force (for CVD) for the individual fitting.	faucet.sensor_area_of_detection
ad for family	Stagnation interval	x	x	х	x	x	x	AV	2	Stagnation flush time interval (cycle) for stagnation flush triggered by the fitting itself. Not to be confused with a stagnation flush that is triggered by the server.	faucet.stagnation_cycletime
	Stagnation flow time	x	x	x	x	x	х	AV	2	Flow time for the stagnation flush (triggered manually at the fitting). Not to be confused with a stagnation flush that is triggered by the server.	faucet.stagnation_flush_runtime_sec
	Stagnation mode	x	x	х	x	x	х	MV	2	Stagnation flush mode for the individual fitting. Not to be confused with a stagnation flush that is triggered by the server.	faucet.stagnation_mode
	Thermal disinfection/continuous operation	x	x	х	x			BV	2	Enables the activation of continuous operation/thermal disinfection on this fitting. Not to be confused with a thermal disinfection that is triggered by the server.	faucet.thermal_disinfection
	Thermal disinfection/continuous operation flow time	x	x	х	x			AV	2	Flow time for local continuous operation/thermal disinfection. Not to be confused with a stagnation flush that is triggered by the server.	faucet.thermal_disinfection_time_sec
	Solenoid valve triggerings	x	x	x	x	x	х	AI	1	Number (sum total) of solenoid valve triggerings.	faucet.triggering
	Solenoid valve triggerings since last reset	x	x	x	x	x	х	AI	1	Number of solenoid valve flushes since last power-on.	faucet.triggering_since_last_powerdown
	Solenoid valve status	x	x	x	х	x	х	BV	2	Read: valve status, write: override mixed water solenoid valve. This data point can be used if a stagnation flush needs to be triggered via the BMS. The BMS then uses this to open and close the valve.	faucet.valve_state
	Fitting type	x	x	x	х	x	х	MI	1	Type of fitting. This data point typically stays the same/is not changed in practice, so it is not needed very often.	faucet.hardware_type
	Fitting subtype	x	x	x	х			MI	1	Fitting series. This data point typically stays the same/is not changed in practice, so it is not needed very often.	faucet.hardware_subtype
	Actuation lockout time duration					х	х	AV	2	Actuation lockout time for this fitting is set to x seconds (minimum wait time between two pulses from the CVD button).	faucet.valve_block_time

	Data points from fitting (available data points checked)	l	R – ii	Fitting nfrare	g typ d	e C\	/D				<b>=</b> SCHELL
Selection	Designation	WВ	wc	UR	wo	wв	зн	Data point type	Number of data points	Please note	Data points
	Actuation lockout time activated after					x	x	AV	2	After this period (x minutes) of non-use, the actuation lockout time is reactivated (only for CVD button).	faucet.valve_reacting_time
	Temperature sensor 1	x	x	x	x	x	x	AI	1	Values can be transferred from the PT1000 that is connected to the bus extender on terminal 1. Data point frequently used to generate temperature graphs.	sensor1.temperature
	Temperature sensor 2	х	x	x	x	x	x	AI	1	Values can be transferred from the PT1000 that is connected to the bus extender on terminal 2. Data point frequently used to generate temperature graphs.	sensor2.temperature
	Fitting error code 1	x	x	x	x	x	x	МІ	1	Fitting error, possible values: no error; overvoltage; undervoltage; undervoltage warning; EE parameters incorrect	faucet error_code1
	Fitting error code 2	x	x	x	x	x	x	МІ	1	Fitting error, possible values: no error, overvoltage; undervoltage; undervoltage warning; EE parameters incorrect	faucet error_code2
	Fitting error code 3	х	x	x	x	x	x	МІ	1	Fitting error, possible values: no error, overvoltage; undervoltage; undervoltage warning; EE parameters incorrect	faucet error_code3
	Fitting error code 4	x	x	x	x	x	x	МІ	1	Fitting error, possible values: no error, overvoltage; undervoltage; undervoltage warning; EE parameters incorrect	faucet error_code4
	Fitting error code 5	x	х	x	x	x	x	МІ	1	Fitting error, possible values: no error, overvoltage; undervoltage; undervoltage warning; EE parameters incorrect	faucet error_code5
	Solenoid valve external status	x	x	x	x	x	x	BV	2	Read: valve status, write: override bypass solenoid valve. This data point can be used if a thermal disinfection needs to be triggered via the BMS. The BMS then uses this to open and close the bypass valve.	valve.valve_state

## Data points from server (available data points checked)



Selection	Designation	Server	Data point type	Number of data points	Please note	Data points
	SWS server communication	x	BI	1	Indicates whether communication to the SWS server is interrupted.	failure
	Disinfection request	x	ВІ	1	Indicates whether a thermal disinfection is being requested or is active.	disinfection
	Device error 1	x	МІ	1	Last error entry for the fitting. An error number is transferred. (for meanings, see table "Global error code descriptions")	server.device_errors
	Device error 2	х	МІ	1	Next-to-last error entry for the fitting. An error number is transferred. (for meanings, see table "Global error code descriptions")	server.device_errors
	Device error 3	x	МІ	1	Third-last error entry for the fitting. An error number is transferred. (for meanings, see table "Global error code descriptions")	server.device_errors
	Device error 4	x	МІ	1	Fourth-last error entry for the fitting. An error number is transferred. (for meanings, see table "Global error code descriptions")	server.device_errors
	Device error 5	x	МІ	1	Fifth-last error entry for the fitting. An error number is transferred. (for meanings, see table "Global error code descriptions")	server.device_errors
	Automation error 1	x	МІ	1	Next-to-last error entry for automation An error number is transferred. (for meanings, see table "Global error code descriptions")	server.automation_errors
	Automation error 2	x	МІ	1	Third-last error entry for automation An error number is transferred. (for meanings, see table "Global error code descriptions")	server.automation_errors
itting type	Automation error 3	x	МІ	1	Fourth-last error entry for automation An error number is transferred. (for meanings, see table "Global error code descriptions")	server.automation_errors
for each f	Automation error 4	x	МІ	1	Fifth-last error entry for automation An error number is transferred. (for meanings, see table "Global error code descriptions")	server.automation_errors
available	Automation error 5	x	МІ	1	General:	server.automation_errors
ita points	Automation error 6	x	МІ	1	The customer has the option of defining the humber of error messages, depending on the probability of occurrence for an error. This should also be seen as dependent on the data point query. With one automation per day and daily querying of the data point, a few DPs are enough. In the case of malfunction reports, the SWS system documentation should always be consulted.	server.automation_errors
ote the da	Automation error 7	x	МІ	1	("Logging > System errors") to help with the analysis.	server.automation_errors
Please n	Automation error 8	x	МІ	1		server.automation_errors
	Automation error 9	x	МІ	1		server.automation_errors
s you req	Automation error 10	x	МІ	1		server.automation_errors
data point	Automation error 11	x	МІ	1		server.automation_errors
enter the o	Automation error 12	x	МІ	1		server.automation_errors
Please	Automation error 13	х	МІ	1		server.automation_errors

WB = Wash basin, WC = WC (toilet), UR = Urinal, WO = Wall outlet, SH = Shower

## Data points from server (available data points checked)



	Selection	Designation		Server	Data point type	Number of data points	Please note	Data points
		Automation error 14	x		MI	MI 1 General: The customer has the option of defining the number of error messages, depending on the probability of server	server.automation_errors	
		Automation error 15	х		МІ	1	occurrence for an error. This should also be seen as dependent on the data point query. With one automation per day and daily querying of the data point, a few DPs are enough. In the case of malfunction reports, the SWS system documentation should always be consulted	server.automation_errors
		Automation error 16	х		МІ	1		server.automation_errors
		Automation error 17	х		МІ	1		server.automation_errors
		Automation error 18	х		МІ	1		server.automation_errors
		Automation error 19	х		МІ	1	server.automation_errors	
erver.		Automation error 20	х		МІ	1		server.automation_errors
type or s		Server error 1	х		МІ	1	This transfers the last entry from the server. (for meanings, see table "Global error code descriptions")	server.server_errors
ach fitting		Server error 2	x		МІ	1	This transfers the next-to-last entry from the server. (for meanings, see table "Global error code descriptions")	server.server_errors
able for e		Server error 3	x		МІ	1	This transfers the third-last entry from the server. (for meanings, see table "Global error code descriptions")	server.server_errors
oints avail		Server error 4	x		МІ	1	This transfers the fourth-last entry from the server. (for meanings, see table "Global error code descriptions")	server.server_errors
ne data po		Server error 5	x		МІ	1	This transfers the fifth-last entry from the server. (for meanings, see table "Global error code descriptions")	server.server_errors
se note th		Missing device 1	x		МІ	1	This data point transfers the last subscriber (bus extender) identified as missing.	server.missing_devices
tere. Plea		Missing device 2	x		МІ	1	This data point transfers the next-to-last subscriber (bus extender) identified as missing.	server.missing_devices
ı require h		Missing device 3	x		МІ	1	third-last	server.missing_devices
ooints you		Missing device 4	x		МІ	1	fourth-last	server.missing_devices
the data p		Missing device 5	x		МІ	1	fifth-last	server.missing_devices
ease enter								

Property address		Client	
Property number and name	Street, house number, postcode and town	Company, name and address	Stamp and signature

WB = Wash basin, WC = WC (toilet), UR = Urinal, WO = Wall outlet, SH = Shower