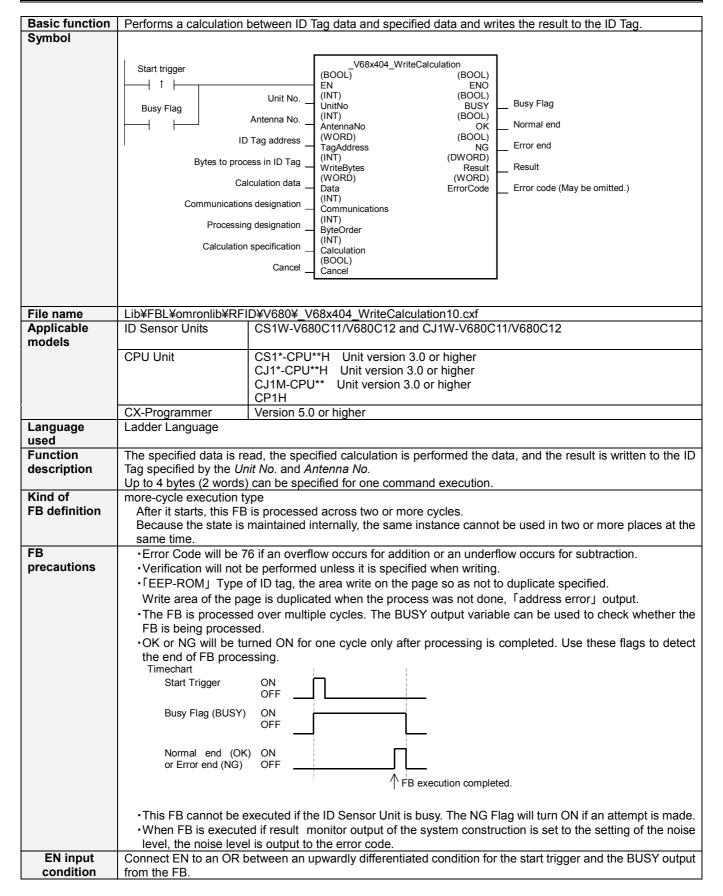
Write Calculation _V68x404_WriteCalculation



Restrictions ·Always use an upwardly differentiated condition for EN. Input ·If the input variables are out of range, the ENO flag will turn OFF and the FB will not be processed. variables ·Always specify a antenna number of &1 for One-antenna ID Sensor Units (CS1W-V680C11 and CJ1W-V680C11). ·Check the memory capacity of the ID Tag when specifying the ID Tag address and ID Tag number of bytes to process. An address error will be output if the specified ID Tag address and ID Tag number of bytes to process are not suitable for the memory capacity of the ID Tag being communicated with. •Bytes to write in ID Tag is &0 if executed, the units depend on the state of no clear error code. And a **Output** •This FB requires multiple cycles to process. Always connect an OR including the BUSY output variable to variables the EN input variable to ensure that the FB is processed to completion (see Symbol). •Do not turn the BUSY output variable ON or OFF outside the FB. Application When bit A turns ON in the following example, 3 bytes of data are read starting from address 10(Hex), #0003 example is added to the data, and the result is written to D0 and to the ID Tag connected to Antenna 1 of the ID Sensor Unit with unit number 3. Unit No:「3। CPU UNIT V680 ID Antenna Tag Antenna No: [1] Bit A V68x404_WriteCalculation (BOOL) (BOOL) 1 ENO (BOOL) BUSY ĖΝ Unit No Busv flaa (INT) Bit B Bit B &3 ÙnitŃo Normal end Antenna No (INT) (BOOL) Bit C AntennaNo OK Error end ID Tag Address (WORD) (BOOL) Bit D #10 **TagAddress** Bytes to check in ID Tag Result (DWORD) (INT) D0 WriteBytes Result Calculation data Error code (WORD) (WORD) #0003 ErrorCode Data Communications designation (INT) Communications Processing designation . ByteOrder Calculation specification (INT) Calculation Cancel (BOOL) Cancel Related ID Sensor Unit Operation Manual (SCHI-711) manuals 4 I/O Data Allocations. Error Codes 6 Communications Commands, Calculation Write

■Variable Tables Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			ON is executed when FB has been turned
					on.
					1 (ON): FB started.
					0 (OFF): FB not started.
Unit No.	UnitNo	INT	&0	&0~&95	Specify the unit number.
Antenna No.	AntennaNo	INT	&1	&1~&2	Specify the antenna number of the object.
					&1: Antenna 1
					&2: Antenna 2 (Two-antenna Controllers
					only)
ID Tag address	TagAddress	WORD	#0		Specify the ID Tag address.
Bytes to process	WriteBytes	INT	&0	&0~&4	Specify the number of processing bytes of
in ID Tag					ID tag.
Ç					Consider the ID Tag capacity when setting.
					Nothing will be performed and a normal end
					will be output for &0.
Calculation data	Data	WORD	#0		Specify the calculation data content.

Communications designation	Communications	INT	&0	&0~&6	The communication method with the ID tag is specified. &0: Trigger &1: Auto &2: Repeat auto &3: FIFO trigger &4: FIFO repeat &5: Multi-access trigger &6: Multi-access repeat
Processing designation	ByteOrder	INT	&0	&0~&1	Specific data to specify the order. &0: Upper to lower &1: Lower to upper 0: Upper to lower Address CPU Unit memory memory n 01 02 01 02 03 04 n+2 03 04 1: Lower to upper Address CPU Unit memory memory n 02 01 D Tag memory n 04 D Tag memory n 04 D Tag memory n 05 D Tag memory n 07 D Tag memory n 07 D Tag memory n 08 D Tag memory n 09 D Tag memory n 01 D Tag memory n 02 D Tag memory n 01 D Tag memory n 02 D Tag memory n 04 D Tag memory n 05 D Tag memory n 06 D Tag memory n 07 D Tag memory n 07 D Tag memory n 08 D Tag m
Calculation specification	Calculation	INT	&0	&0~&1	Specify the calculation method. &0: Addition &1: Subtraction
Cancel	Cancel	BOOL	0(OFF)		0→1: Cancels processing.

Output Variables					
Name	Variable name	Data type	Default	Description	
ENO	ENO	BOOL		1 (ON): FB processed normally.	
(May be omitted.)				0 (OFF): FB not processed or ended in an error.	
Busy Flag	BUSY	BOOL		Automatically turns OFF when processing is	
				completed.	
Normal end	OK	BOOL		Turns ON for one cycle when processing ends	
				normally.	
Error end	NG	BOOL		Turns ON for one cycle when processing ends in an	
				error.	
Result	Result	DWORD		If the number of bytes to process is between 1 and 3,	
				the data in the lower address is valid.	
				31 24 23 16 15 08 07 00	
				1 byte specified	
				byte specified	
				3 bytes specified	
	ErrorCode	WORD		Outputs the results from the ID Sensor Unit.	
Error code	211010000	110112		Refer to the <i>Related Manuals</i> for details.	
				#0014: Data storage area Specification error *	
				#0014: Command error *	
				#0070: ID Tag communications error	
				#0071: Verification error	
				#0072: ID Tag missing error	
				#0076: Status Flag	
				#0077: Error correction	
				#0079: ID system error 1	
				#007A: ID Tag address error	
				#007C: Antenna error flag	
				#007D: Write protection error	
				#007E: ID system error 2	
				#007F: ID system error 3	
				#FFFE: ID Tag is communicating.	
				#FFFF: Input parameter error	
				*:#0014 has two item factor. Please confirm, and	
				divide the corresponding flag about details. Related	
				manuals SCHI-711 7 Abnormal processing J	

■Version History

Version	Date	Contents
1.00	2008.04.	Original production