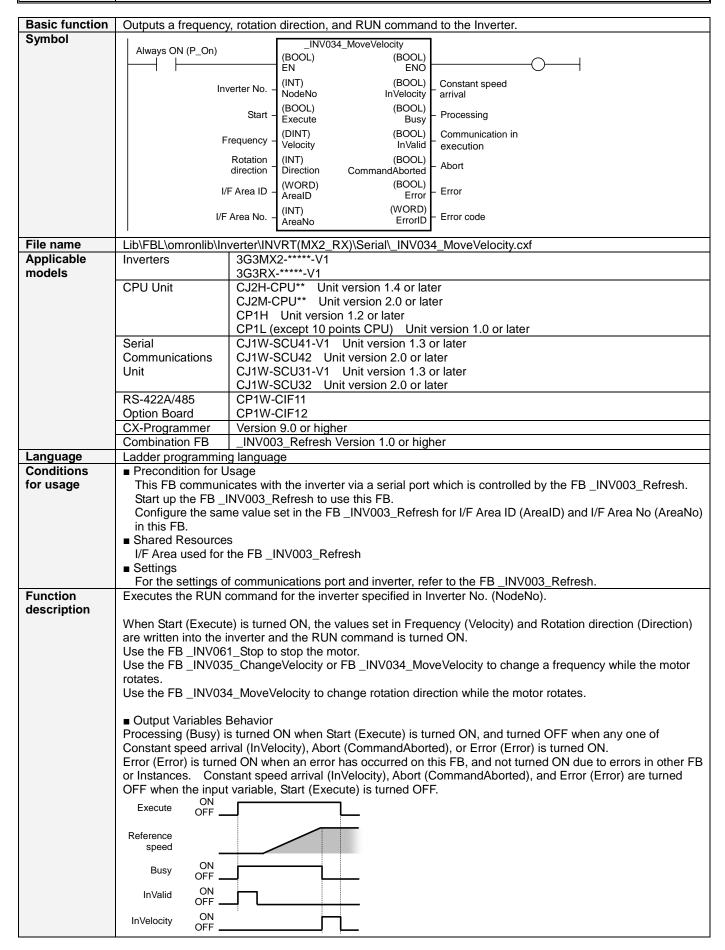
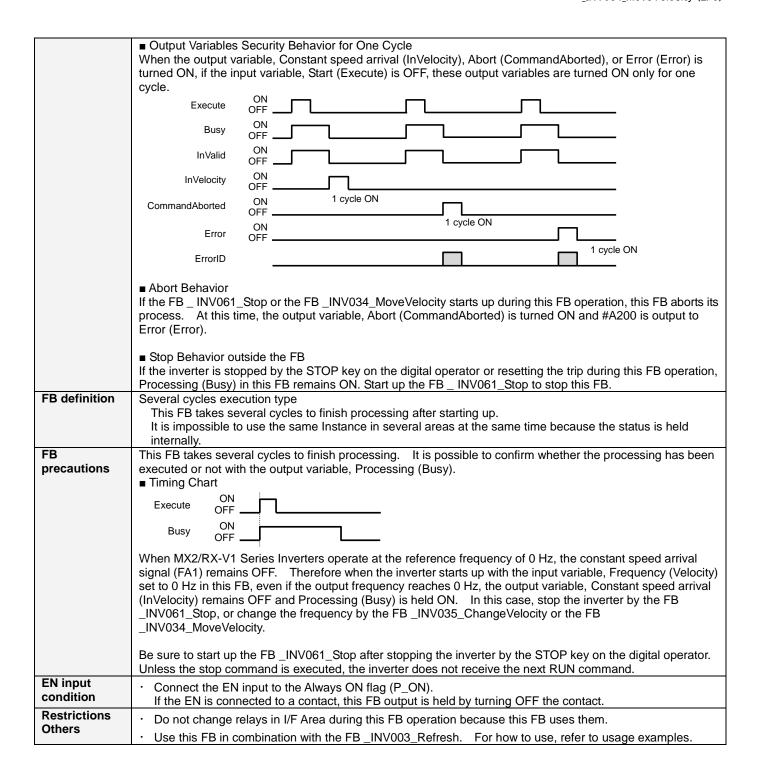
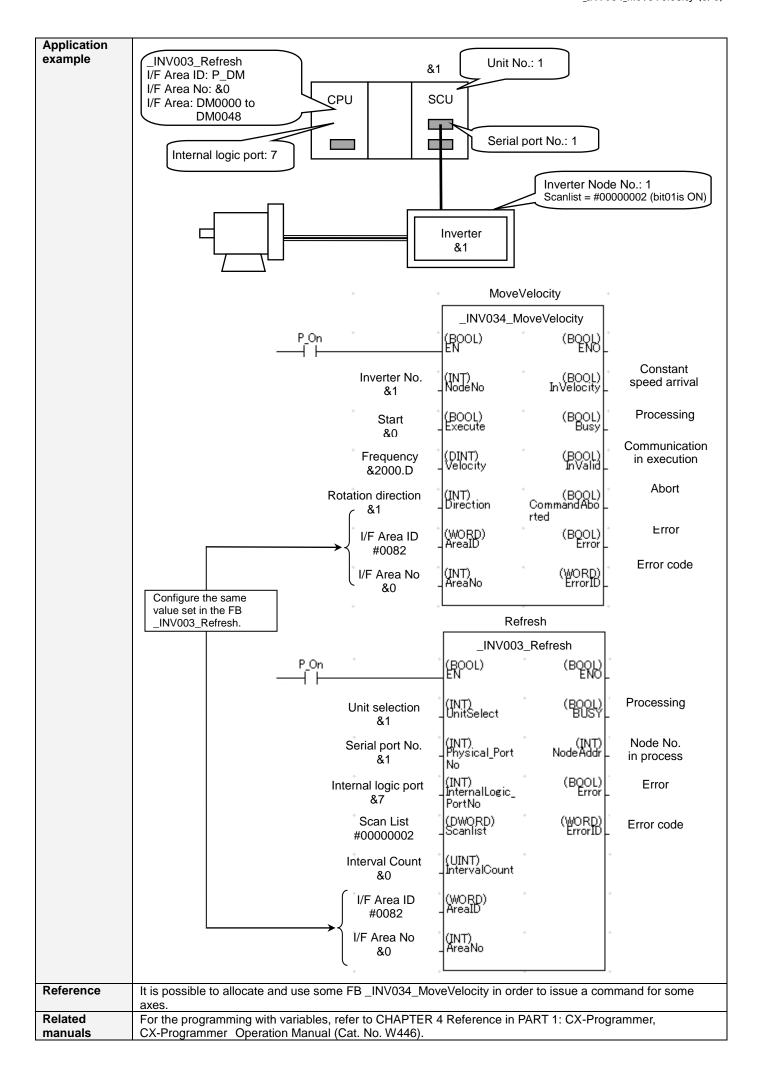
Speed Command (frequency): \_INV034\_MoveVelocity







## ■ Variable Table Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL	0 (OFF)	ON/OFF	1 (ON): Starts FB 0 (OFF): Does not start FB
Inverter No.	NodeNo	INT	&1	&1 to &31	Specifies the node No. of the inverter.
Start	Execute	BOOL	0 (OFF)	ON/OFF	Starts up the FB when this variable is turned ON.
Frequency	Velocity	DINT	&0	&0, starting frequency to maximum frequency	Specifies the reference frequency. Unit: 0.01 [Hz]
Rotation direction	Direction	INT	&0	&0, &1	&0: + direction (forward) &1: - direction (reverse)
I/F Area ID	ArealD	WORD	#0082	Refer to the right column	The work area is shared by configuring the same Area specified for the FB
I/F Area No	AreaNo	INT	&0	Refer to the right column	_INV003_Refresh that controls the applicable serial port.

**Output Variables** 

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL	ON/OFF	1 (ON): FB operating normally 0 (OFF): FB not operating normally
Constant speed arrival	InVelocity	BOOL	ON/OFF	When this variable is 1 (ON), the output frequency has reached the reference frequency.
Processing	Busy	BOOL	ON/OFF	When this variable is 1 (ON), the FB is in process.
Communicat ion in execution	InValid	BOOL	ON/OFF	When this variable is 1 (ON), the FB accesses the message communications area in I/F Area and the command communication with the inverter is in execution.
Abort	CommandAb orted	BOOL	ON/OFF	When this variable is 1 (ON), an abort has occurred in the FB.
Error	Error	BOOL	ON/OFF	When this variable is 1 (ON), an error has occurred in the FB. For details on the error, refer to Error code (ErrorID).
Error code	ErrorID	WORD	0x0000 to 0xFFFF	Returns the code for the error which occurred in the FB. For details on the error, refer to "Error/Abort Condition List".

## **■ Error/Abort Condition List**

Name	Error code	Probable error cause	Corrective measure
Normal completion	#0000	-	-
Response error	#0001 to #7FFF	A response error of the communications command occurred.	Identify an error cause from the FINS Commands End Codes List in Communications Command Reference Manual (W342).
Modbus exception response	#8001 to #9FFF	An exception response was returned via Modbus communication.	Identify an error cause from the Exception Response in Multi-function Compact Inverter MX2 Series Type V1 User's Manual (I585) and High-function General-purpose Inverter 3G3RX Series Type V1 User's Manual (I578). The exception response and code are respectively output to upper double digits (xx) and lower double digits (yy) of an error code "#xxyy".
Out of the input variable	#A000	The input variable in this FB is out of range.	Set an input variable value within the specified range.
Communications stop	#A010	The specified node does not communicate.	Set the node in the scan list of FB _INV003_Refresh.
Communications error	#A011	A communications error occurred in the specified node.  The value of the input variable, Frequency (Velocity) is out of range.	Remove the error cause and then execute the command again.  Set a value of the input variable, Frequency (Velocity) within the setting range.
Inverter error	#A100	An inverter error occurred.	Refer to Multi-function Compact Inverter MX2 Series Type V1 User's Manual (I585) and High-function General-purpose Inverter 3G3RX Series Type V1 User's Manual (I578) to identify an error cause.
External operation (RUN command)	#A200	"RUN command" in I/F Area was operated from outside the FB.	Do not operate I/F Area outside the FB.  Moreover, do not use I/F Area with OUT instructions.
		The abort occurred.	Check if the FB _ INV061_Stop or the FB _ INV034_MoveVelocity has started during this FB operation.

External operation	#A210	"Response area" in I/F Area was	Do not operate I/F Area outside the FB.
(Response area)		operated from outside the FB.	Moreover, do not use I/F Area with OUT instructions.

## ■ Revision History

Version	Date	Contents	
1.00	2013.4.1	Original production	

## ■ Note

This document explains the function of the function block.

It does not provide information of restrictions on the use of Units and Components or combination of them. For actual applications, make sure to read the operation manuals of the applicable products.