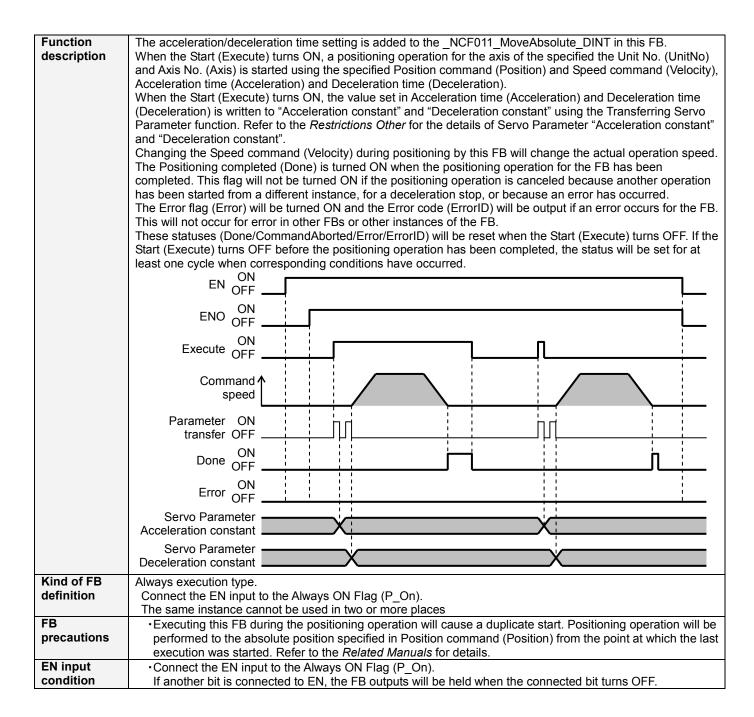
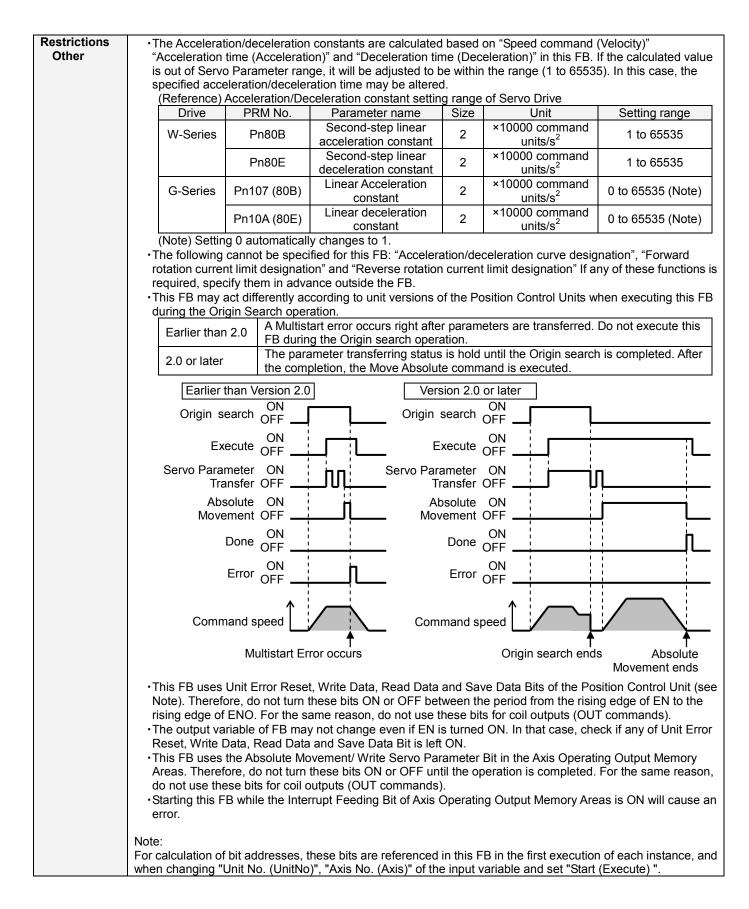
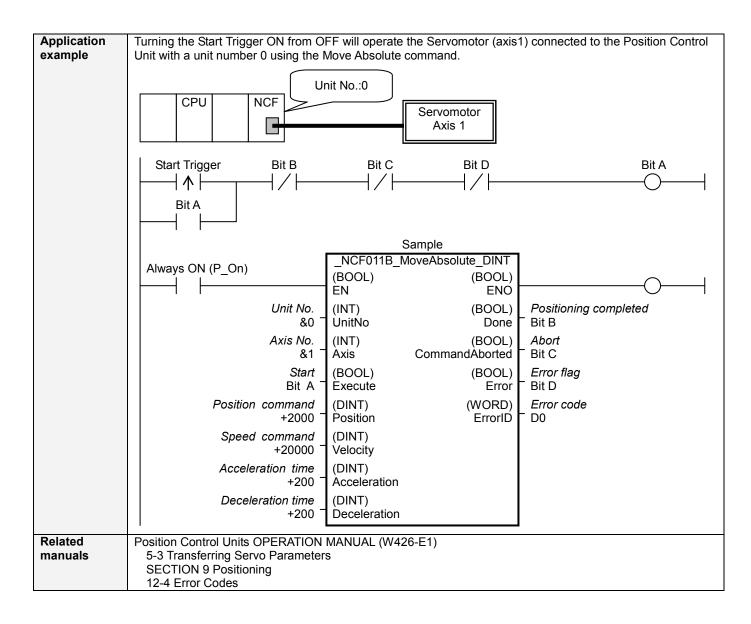
Move Absolute (DINT) _NCF011B_MoveAbsolute_DINT

Basic function	Executes positioning with the absolute movement. (Acceleration/Deceleration time setting attachment)						
Symbol							
• • • • • •	Always ON (P On)			MoveAbsolute_DINT			
			(BOOL)	(BOOL)			
			EN	ENO	\cup \Box		
	Unit No. –		(INT) UnitNo	(BOOL) Done	 Positioning completed 		
		Axis No. –	(INT) Axis	(BOOL) CommandAborted	– Abort		
		Start -	(BOOL) Execute	(BOOL) Error	– Error flag		
	Position	command -	(DINT) Position	(WORD) ErrorID	– Error code		
	Speed	command -	(DINT) Velocity				
	Acceleration time -		(DINT) Acceleration				
	Decele	eration time -	(DINT) Deceleration				
File name	Lib/EBL \omronlib/Posit	ionControllor			JT10 cyf		
Applicable	Position Control Unit		NCF_NCF011B_MoveAbsolute_DINT10.cxf 71, CS1W-NCF71				
models	CPU Unit		*H Unit Versio				
			*H Unit Versior				
		CJ1M-CPU	J** Unit Version 3.0 or later				
		CP1H					
	CX-Programmer	Version 5.0	n 5.0 or later				
Languages in function block definitions	Ladder programming						
Conditions for	The following condition				rsion 1.2 or earlier.		
usage	(It will not be required i		Control Unit v	ersion 1.3 or later)			
	CX-Programmer Setti						
					e if the area H512 or higher (default		
					memory allocation. Make sure to		
	change the memory area to unused area (DM or EM, for example) from the CX-Programmer. To change this value, click <i>PLC/Function Block Memory/Function Block Memory Allocation</i> from the Menu Bar.						
	Function Block Memory Allo			X			
	FB Instance AreaStartNo RetainH512		ddress Size 7 896	ОК			
	Retain H140			Cancel			
	Timers T307 Counters C307			Edit			
	Counters C307	2 0409:	5 1024	Default			
			Specify unused a	rea.			
		— Т	he required size	varies depending on the	used FB and the number of FBs.		
	If an area being used in the ladder program is specified or sufficient free space cannot be found, the CX-Programmer will display a compile error.						
	Function Bloc Memory Allocation [NewPLO						
			ddress S	ОК			
	No Retain D320 Retain H140			Cancel			
	Timers T307			Edit			
	Counters C307	72 C409	5 1024		For example, to use the memory		
				Default	area from D32020 to D32767		
				Advanced	(748 words), specify the		
					addresses as shown in the left.		







■Variable Tables Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1 (ON): FB started
					0 (OFF): FB not started
Unit No.	UnitNo	INT	&0	&0 to &15	Specify the unit number.
Axis No.	Axis	INT	&1	&1 to &16	Specify the axis number.
Start	Execute	BOOL	0(OFF)		
Position	Position	DINT	+0	-2,147,483,648 to	Specify the target position.
command				+2,147,483,647	Unit: Command units/s
Speed	Velocity	DINT	+0	+0 to	Specify the target speed.
command				+2,147,483,647	Unit: Command units/s
					Changing the value while this FB is in operation
					will change the actual operating speed.
Acceleration	Acceleration	DINT	+0	+0 to +65,535	Specify the acceleration time for the speed
time					specified in "Speed command (Velocity)".
					Unit: ms
Deceleration	Deceleration	DINT	+0	+0 to +65,535	Specify the deceleration time for the speed
time					specified in "Speed command (Velocity)".
					Unit: ms

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		1 (ON): FB operating normally 0 (OFF): FB not operating normally •FB not started •Input variable out of the range •FB ended with error •Common Parameters could not be read
Positioning completed	Done	BOOL		Turns ON when the positioning operation has been completed.
Abort	CommandAborted	BOOL		 1 (ON): Aborted It will be aborted when any of the following conditions is met during operation Turns ON when the other Move command done (Duplicate Move). Stopped with Decleration Stop or Emergency Stop. Executed Servo Unlock, Deviation Counter Reset on an operating axis. Attempted to execute FB while Servo Unlock, Deceleration Stop, Emergency Stop or Deviation Counter Reset Bit is ON. Detected the Stop Execution Flag is ON. The Absolute Movement Bit is changed by the other FB during Absolute Movement in operation.
Error flag	Error	BOOL		Turns ON when an error has occurred in the FB.
Error code	ErrorID	WORD		 Returns the error code when an error has occurred in the FB. Refer to the <i>Related Manuals</i> for details on errors. A code of #0000 will be returned if any of the following conditions is satisfied. Input variable is out of range. The common parameters of the Position Control Units are out of range. Not established communications with a specified axis. The Interrupt Feeding Bit of Axis Operating Output Memory Areas is ON before Absolute Movement is executed by this FB. The Write Servo Parameters.

■Version History

Version	Date	Contents	
1.00	2007.02.	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.