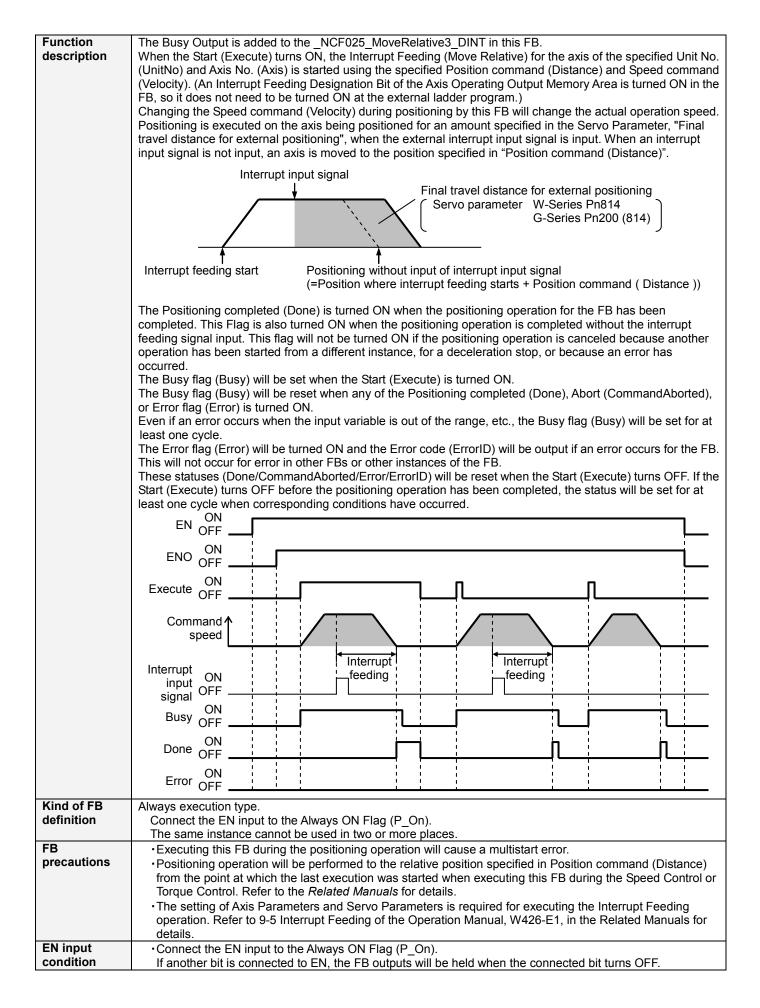
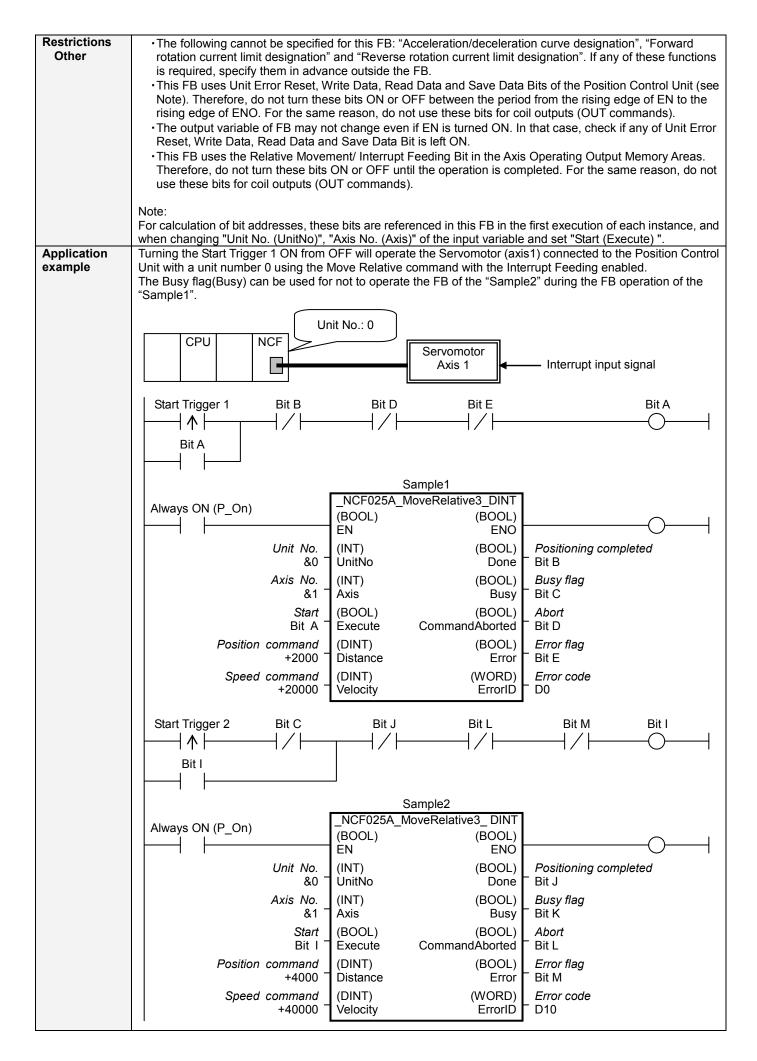
NCF
025A

Move Relative with Interrupt Feeding (DINT) _NCF025A_MoveRelative3_DINT

Racio tunction					
Basic function	Executes Interrupt Feeding with Move Relative command. (Busy attachment)				
Symbol					
•	Always ON (P_On)		NCF025A_MoveRe	elative3_DIN1	
			BOOL)	(BOOL)	
			N	ENO	()
					0 1
		(1)	NT)	(BOOL)	
		Unit No. – Ur	nitŃo	Done	 Positioning completed
			NT)	(BOOL)	 Busy flag
		AXIS NO AX	xis	Busy	– Busy llag
		(D		-	
			BOOL)	(BOOL)	– Abort
		EX	xecute Com	mandAborted	7.6012
		(D	DINT)	(BOOL)	
	Position c				 Error flag
		DI	istance	Error	6
		(D	DINT)	(WORD)	
	Speed c		elocity	ErrorID	 Error code
		Ve	elocity	LIIUID	
		<u> </u>		B () A = :	
File name	Lib\FBL\omronlib\Position			eRelative3_DI	NT10.CXT
Applicable			CS1W-NCF71		
models	CPU Unit (CS1*-CPU**H	Unit Version 3.0 or	later	
			*H Unit Version 3.0 or later		
			Jnit Version 3.0 or		
				alei	
		CP1H			
	CX-Programmer	Version 5.0 or I	later		
Languages in	Ladder programming				
function block					
definitions					
Conditions for	The following conditions for usage should be the Position Control Unit version 1.2 or earlier.				
usage	(It will not be required in t				
usage	(It will not be required in t	the Position Co			
usage	(It will not be required in t CX-Programmer Setting	the Position Co	ontrol Unit version	1.3 or later)	
usage	(It will not be required in t ■CX-Programmer Setting The function blocks relation	the Position Co ated to the Pos	ontrol Unit version sition Control Units	1.3 or later) will not operat	e if the area H512 or higher (default
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Related	Position Control Units OPERATION MANUAL (W426-E1)
manuals	SECTION 9 Positioning
	9-5 Interrupt Feeding
	12-4 Error Codes

■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 command	Distance	DINT	+0	-2,147,483,648 to	Specify the target position.
				+2,147,483,647	Unit: Command units
Speed command	Velocity	DINT	+0	+0 to	Specify the target speed.
				+2,147,483,647	Unit: Command units/s
					Changing the value while this FB is in
					operation will change the actual operating
					speed.

Output Variables

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.
Busy flag	Busy	BOOL		1 (ON) indicates that the FB is in progress.
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 Relative Movement Bit is changed by the other
	_	2001		FB during Relative 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.

■Version History

Version	Date	Contents
1.01	2006.01.	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.