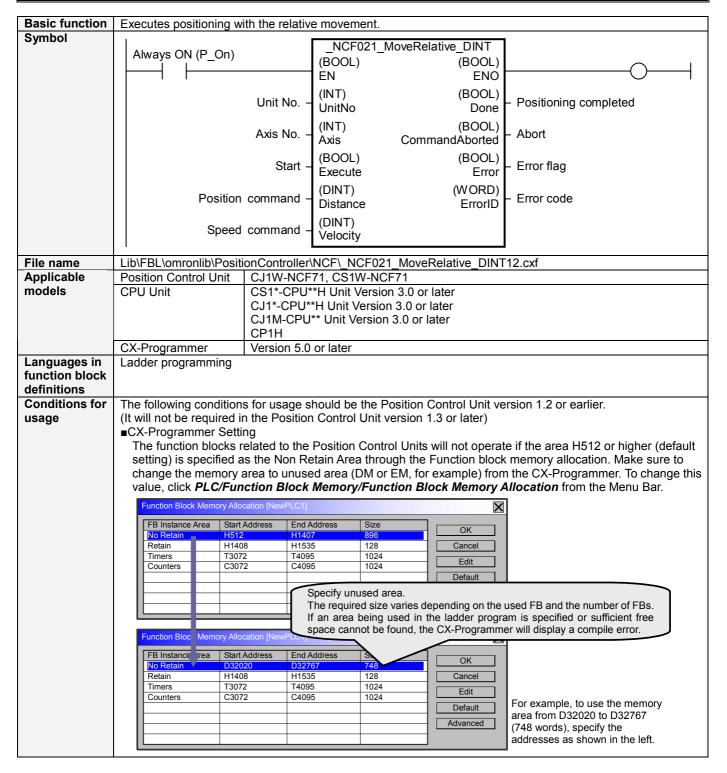
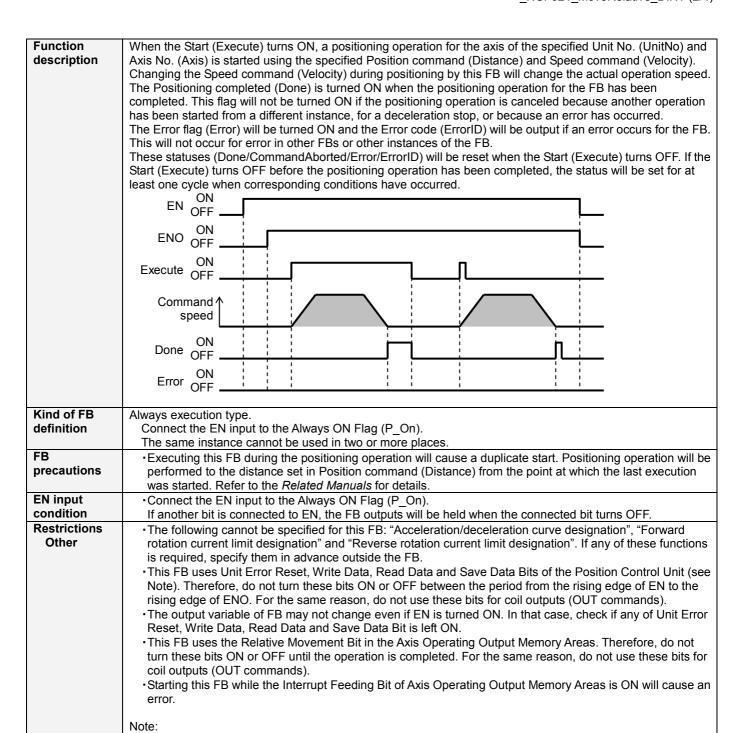
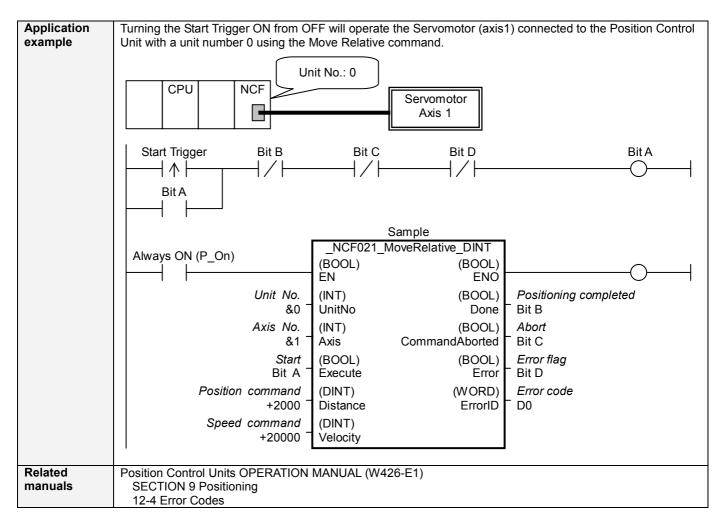
Move Relative (DINT) _NCF021_MoveRelative_DINT





For calculation of bit addresses, these bits are referenced in this FB in the first execution of each instance, and

when changing "Unit No. (UnitNo)", "Axis No. (Axis)" of the input variable and set "Start (Execute) ".



■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)		f : Starts the relative move.
Position command	Distance	DINT	+0	-2,147,483,648 to +2,147,483,647	Specify the numeric value of relative movement to set for the present position. Unit: Command units
Speed command	Velocity	DINT	+0	+0 to +2,147,483,647	Specify the target speed. 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.
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 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 Related Manuals 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 Relative Movement is executed by this FB.

■Version History

Version	Date	Contents
1.00	2004.06.	Original production
1.10	2005.01.	Limitation about the setting timing with " Unit No. " and " Axis No. " was removed.
1.20	2007.11.	The restrictions on the Interrupt Feeding Designation of the Axis Operating Output Memory Areas
		have been removed.

■Upgrade Details

Contents
In version 1.00, "Unit No." and "Axis No." must be set when EN was ON and "Start (Execute)" was OFF. This means not sometimes working normally when "Unit No." and "Axis No." are changed simultaneously with ON of "Start (Execute)".
In version 1.10, this limitation was removed.
In the version 1.10, the Interrupt Feeding Designation of the Axis Operating Output Memory Areas was always monitored. Therefore, an error was output by the FB regardless of an axis status when turning ON the Interrupt Feeding Designation after completing to accept the command to operate an axis. In the version 1.20, it is monitored only when starting an axis operation and not monitored after a positioning operation has started.

■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.