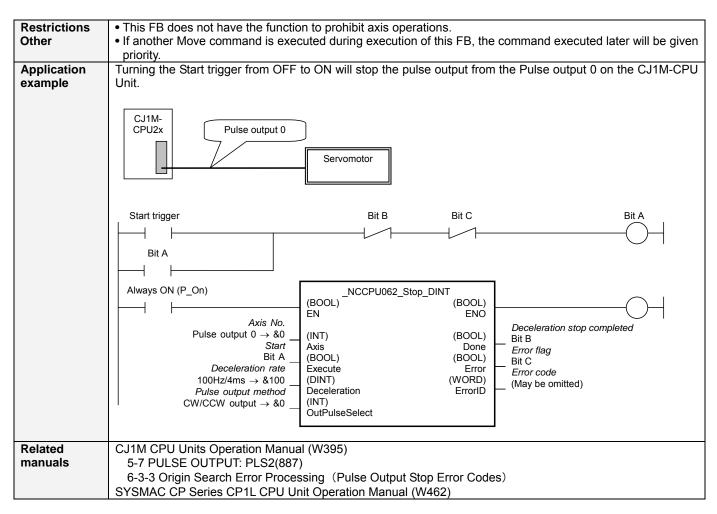
# Deceleration Stop(DINT): \_NCCPU062\_Stop\_DINT

Basic	Decelerates an operating axis to a stop.				
function					
Symbol					
	Always ON (P_On)				
	EN ENO				
	Axis No. (INT) (BOOL) Deceleration stop completed				
	Axis Done Done Decementation step completed				
	Start (BOOL) (BOOL) Error flag Execute Error Error code				
	Deceleration rate (INT) (WORD) (May be omitted)				
	Pulse output method (INT)				
	OutPulseSelect				
File name	Lib\FBL\omronlib\ PositionController \NC-CPU(CJ1MCPU2x)\_NCCPU062_Stop10.cxf				
Applicable	CPU Unit CJ1M-CPU21/22/23 Unit version 3.0 or higher				
	CP1L-***DT-*				
	CP1L-***DT1-*				
models	CX-Programmer Version 5.0 or higher				
Conditions for usage	None				
Function	Starts deceleration stop for the axis specified with Axis No. (Axis) when Start (Execute) is turned ON (using the				
description	selected Pulse output method).				
•	The Deceleration stop completed (Done) will be turned ON when a deceleration stop by this FB is completed.				
	It will not be turned ON when a deceleration stop is interrupted by a Multistart by another instance or error.				
	The Error flag (Error) and Error code (ErrorID) will be output when an error related to this FB occurs.				
	They will be turned OFF when Start (Execute) is turned OFF. If Start (Execute) was turned OFF before				
	deceleration stop is completed, they will be turned ON at least for one cycle when a corresponding condition occurs.				
	OFF				
	Execute ON OFF				
	Speed				
	Command speed				
	Done ON				
	OFF				
	Error ON OFF				
Kind of FB	Connect Always ON type				
definition	Connect the EN input to the Always ON Flag (P_ON).				
	The same instance cannot be used in two or more places.				
FB	• When using the Pulse ouput 0 and 1 simultaneously, use the same Pulse output method for them.				
precautions	• When this FB starts with low Pulse output frequency as there is no Pulse output during one cycle, it is				
	stopped without deceleration. In this case, it becomes the same as the condition that the Pulse output is stopped by the INI instruction (Fun No.880).				
	• If Start (Execute) is turned ON with no origin defined, the present value of output pulse counts will be cleared				
	to 0 and output pulses for deceleration will be counted. (If this FB starts with low Pulse output frequency as				
	there is no Pulse output during one cycle, output pulse counts will not be cleared to 0.)				
	Execute ON				
	OFF				
	Speed				
	Output pulse				
	counts 0				
	No origin ON				
EN input	<ul> <li>Connect the EN input to the Always ON Flag (P_ON).</li> <li>If a different time of hit is connected by the ED subsubsuit he maintained when the connected bit is turned.</li> </ul>				
condition	<ul> <li>If a different type of bit is connected to EN, the FB outputs will be maintained when the connected bit is turned OFF.</li> </ul>				
	UFF.				



## Variable Table

#### Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1 (ON): Starts FB
					0 (OFF): Does not start FB
Axis No.	Axis	INT	&0	&0 to &1	&0: Pulse output 0
					&1: Pulse output 1
Start	Execute	BOOL	0(OFF)		Starts deceleration stop
Deceleration rate	Deceleration	INT	&1	&1 to &65535	Specifies the deceleration rate.
					Unit: Hz/4ms (Decrease (Hz) in frequency per
					Pulse control period (4ms))
Pulse output	OutPulseSelect	INT	&0	&0 to &1	&0: CW/CCW output
method					&1: Pulse + direction output

#### **Output Variables**

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		1 (ON): FB operating normally 0 (OFF): FB not started, or FB ended with error
Deceleration stop completed	Done	BOOL		1 (ON) indicates that a deceleration stop has been completed.
Error flag	Error	BOOL		1 (ON) indicates that an error has occurred in the FB.
Error code (May be omitted)	ErrorID	WORD		The error code of the error occurred in the FB will be output. For details of the errors, refer to the sections of the manual listed in the Related manuals above. When Unit No. or Axis. No. is out of the range, #0000 will be output.

### **Revision History**

Version	Date	Contents			
1.00	2005.2.	Original production			

#### Note

This manual is a reference that explains the function block functions.

It does not explain the operational limitations of Units, components, or combinations of Units and components. Always read and understand the Operation Manuals for the system's Units and other components before using them.