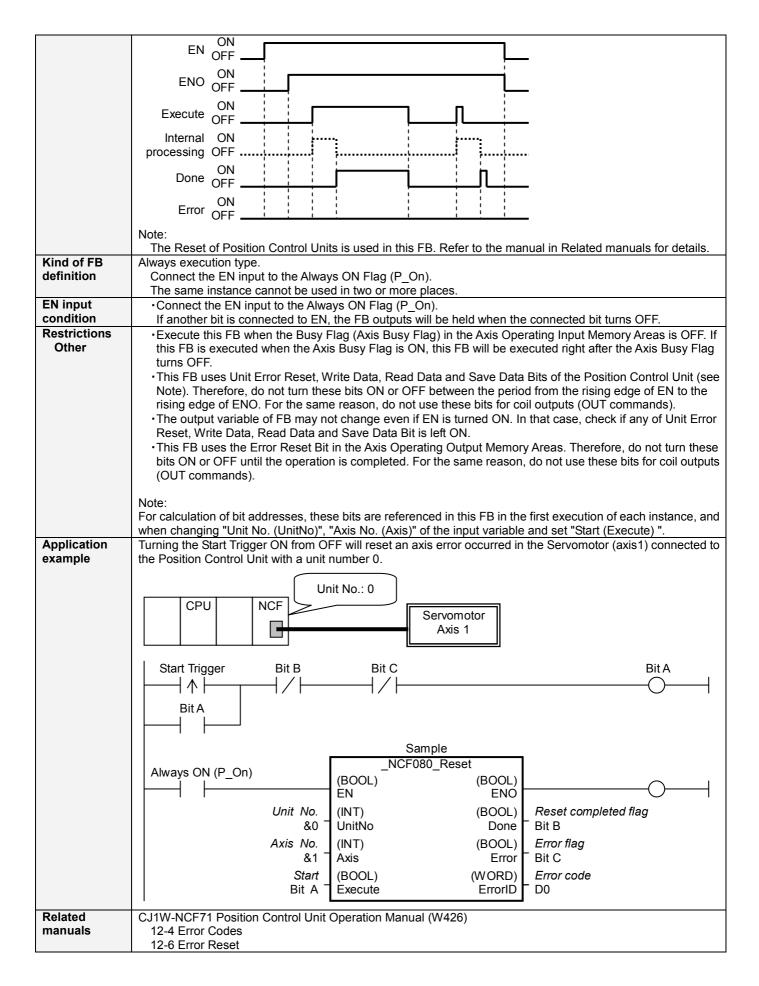
NCF	Reset Axis Error	Dooot
080	Resel Axis EITUI	Resel

Basic function	Resets an axis error.					
Symbol	NCF080_Reset					
	Always ON (P_On)		(BOOL)	(BOOL)		
			EN	ENO		
		Unit No	(INT) UnitNo	(BOOL) Done	 Reset completed flag 	
		Axis No	(INT) Axis	(BOOL) Error	– Error flag	
		Start -	(BOOL) Execute	(WORD) ErrorID	- Error code	
File name	Lib\FBL\omronlib\Posit	ionController		Reset11 cvf		
Applicable	Position Unit		F71, CS1W-NC			
models	CPU Unit		**H Unit Version			
			**H Unit Versior			
			J** Unit Version	3.0 or later		
	CX-Programmer	CP1H Version 5.0) or later			
Languages in	Ladder programming	verbion e.e				
function block						
definitions						
Conditions for		The following conditions for usage should be the Position Control Unit version 1.2 or earlier. (It will not be required in the Position Control Unit version 1.3 or later)				
usage	CX-Programmer Setti					
			Position Contro	ol Units will not opera	te if the area H512 or higher (default	
	setting) is specified a	as the Non Re	etain Area throu	igh the Function bloc	k 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.					
		ction Block		tion Block Memory	Allocation from the Menu Bar.	
	value, click <i>PLC/Fun</i>	ction Block			Allocation from the Menu Bar.	
	Function Block Memory Allo	cation [NewPLC1] Address End A	Memory/Func	tion Block Memory	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140	Address End A B B B B B B B B B B B B B B B B B B B	Address Size 07 896 35 128	tion Block Memory	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512	Address End A Baddress End A H140 Ba H153 2 T409	Address Size 07 896 35 128 95 1024	tion Block Memory Х	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307	Address End A Address End A 2 H140 /8 H153 /2 C409	Address Size 07 896 128 15 1024 05 1024 05 1024	tion Block Memory 2	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307	Address End A Reference Field A End A Band H153 2 T409 2 C409	Address Size 77 896 35 128 15 1024 95 1024	tion Block Memory 1	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307	Address End A 2 H140 18 H153 2 T409 '2 C409	Address Size 77 896 35 128 35 1024 35 1024 35 Size 35 1024 35 1024 35 Size 35 Size	tion Block Memory a	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307	Address End A 2 H140 /8 H153 /2 C409 /2 C409	Address Size 77 896 35 128 35 1024 35 1024 35 1024 35 Specify unused ar The required size If an area being u	tion Block Memory a	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307 Counters C307 End H140 Timers T307 Counters C307 End H140 Timers C307 End H140 End H140 <	Address End A H140 8 H153 2 T409 2 C409 2 C409 2 C409	Address Size 77 896 35 128 35 1024 35 1024 35 1024 35 Specify unused ar The required size If an area being u	tion Block Memory A OK Cancel Edit Default ea. varies depending on the used in the ladder progr ound, the CX-Programm	Allocation from the Menu Bar.	
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	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307 Counters C307 Function Bloc Memory Allo FB Instance rea Start rea	Address End A Address End A 2 H140 2 T409 2 C409	Address Size 07 896 05 128 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024	tion Block Memory a	Allocation from the Menu Bar.	
	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307 Counters C307 Sector Sector Function Bloc Memory Allo FB Instance rea Start No Retain D320 Retain H1400	Address End A Address End A 2 H140 18 H153 2 C409 '2 C409 '2 C409 Cation [NewPLC1] Image: Cator Cation Cator Ca	Address Size 07 896 35 128 15 1024 25 1024 25 1024 26 1024 27 Specify unused ar The required size If an area being uspace cannot be for Address 5 267 748 35 128 35 128 35 1024	tion Block Memory S OK Cancel Edit Default ea. varies depending on the ised in the ladder progr ound, the CX-Programm OK Cancel Edit Edit	Allocation from the Menu Bar.	
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	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H140 Timers T307 Counters C307 Eunction Bloc Memory Allo FB Instance rea No Retain H140 Timers C307 Counters C307 Counters C307 Counters C307 Counters C307 Location H140 Timers T307 Counters C307 Location Location	Address End A 2 H140 10 H153 2 T409 2 C409	Address Size 07 896 05 128 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024	tion Block Memory 5	Allocation from the Menu Bar. used FB and the number of FBs. am is specified or sufficient free her will display a compile error. For example, to use the memory area from D32020 to D32767 (748 words), specify the addresses as shown in the left.	
Function	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H112 Retain H112 Counters C307 Counters C307 Function Bloc Memory Allo FB Instance rea Start No Retain No Retain D320 Retain H140 Timers T307 Counters C307 L L When the Start (Execute	Address End A 2 H140 10 H153 2 T409 2 C409	Address Size 07 896 05 128 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024 05 1024	tion Block Memory 5	Allocation from the Menu Bar. used FB and the number of FBs. am is specified or sufficient free her will display a compile error. For example, to use the memory area from D32020 to D32767 (748 words), specify the	
Function description	Function Block Memory Allo FB instance Area Start No Retain H512 Retain H514 Timers T307 Counters C307 Counters C307 Function Bloc Memory Allo FB Instance rea Start D320 Retain H142 Timers T307 Counters C307 No Retain D320 Retain H142 Timers T307 Counters C307 Understand D320 Retain H142 Timers T307 Counters C307 Understand D320 Retain H142 Timers T307 Counters C307 Understand Understand When the Start (Execut No. (Axis) is started.	Address End A 20 0 0227 Address End A 21 T409 22 C409 22 C409 23 C409 24 C409 24 C409 24 C409 25 C409 26 C409 27 C409 27 C409 28 H153 27 T409 20 D327 80 H153 27 T409 20 C409 20 C409	Address Size 07 896 05 128 05 1024	tion Block Memory and the second seco	Allocation from the Menu Bar. used FB and the number of FBs. am is specified or sufficient free her will display a compile error. For example, to use the memory area from D32020 to D32767 (748 words), specify the addresses as shown in the left. e specified Unit No. (UnitNo) and Axis	
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	Function Block Memory Allo FB Instance Area Start No Retain H512 Retain H142 Timers T307 Counters C307 Counters C307 Function Bloc Memory Allo FB Instance rea Start D320 Retain H142 Timers T307 Counters C307 Counters C307 <	Address End / Address End / Address End / 2 H140 38 H153 2 T409 2 C409 2 C409 2 C409 40 C409 2 C409 2 C409 2 C409 2 T409 2 C409 2 T409 2 C409 3 C409 3 C409 3 C409 3 C409 3 C	Address Size Address Size 77 896 128 15 128 15 1024 1024 Specify unused ar The required size If an area being u space cannot be for Address Size 1024	tion Block Memory and the second seco	Allocation from the Menu Bar. used FB and the number of FBs. am is specified or sufficient free her will display a compile error. For example, to use the memory area from D32020 to D32767 (748 words), specify the addresses as shown in the left. e specified Unit No. (UnitNo) and Axis	
	Function Block Memory Allo FB instance Area Start No Retain H512 Retain H142 Timers T307 Counters C307 Counters C307 Function Bloc Memory Allo FB Instance rea Start D320 Retain H142 Timers T307 Counters C307 Counters C307 <	Address End / Address End / Address End / 2 1409 2 C409 2 T409 2 C409 2 T409 2 C409 3 C409 4 C409 4 C409 4 C409 4 C409 4 C40	Address Size Address Size 77 896 128 15 128 15 1024 15 1024 Specify unused ar The required size If an area being u space cannot be for Address Size 1024 10	tion Block Memory and the stances of the FB.	Allocation from the Menu Bar. used FB and the number of FBs. am is specified or sufficient free her will display a compile error. For example, to use the memory area from D32020 to D32767 (748 words), specify the addresses as shown in the left. e specified Unit No. (UnitNo) and Axis has been completed and commands be output if an error occurs for the FB.	
	Function Block Memory Allo FB Instance Area Start No Retain H140 Timers T 307 Counters C 307 Counters C 307 Counters C 307 Function Bloc Memory Allo FB Instance rea Start No Retain H 320 Retain H 140 Timers T 307 Counters C 307 On Retain D 320 Retain H 140 Timers T 307 Counters C 307 Understand D 320 Retain H 140 Timers T 307 Counters C 307 Understand D 320 Retain H 400 Timers T 307 Counters C 307 When the Start (Execut No. (Axis) is started. The Reset completed fl Can be accepted. The Error flag (Error) w This will not occur for e These statuses (Done/done/done/done/done/done	Address End A Cation [NewPLC1] Address End A 2 T409 2 C409 2 C409	Address Size Address Size 07 896 128 15 128 15 1024 55 1024 56 1024 57 1024	tion Block Memory and the set whee set and the set whee set where set we set where set where set we set we set we set where set we	Allocation from the Menu Bar. used FB and the number of FBs. am is specified or sufficient free her will display a compile error. For example, to use the memory area from D32020 to D32767 (748 words), specify the addresses as shown in the left. e specified Unit No. (UnitNo) and Axis has been completed and commands	



Variable Tables Input Variables

Input variat	Dies				
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)		

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
Reset completed flag	Done	BOOL		Turns ON when the error reset operation has been completed.
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 Error Reset Bit is changed by the other FB during Error Reset in operation.

■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.

The detailed contents of the upgrading

Version	Detailed Contents
1.10	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.

∎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.