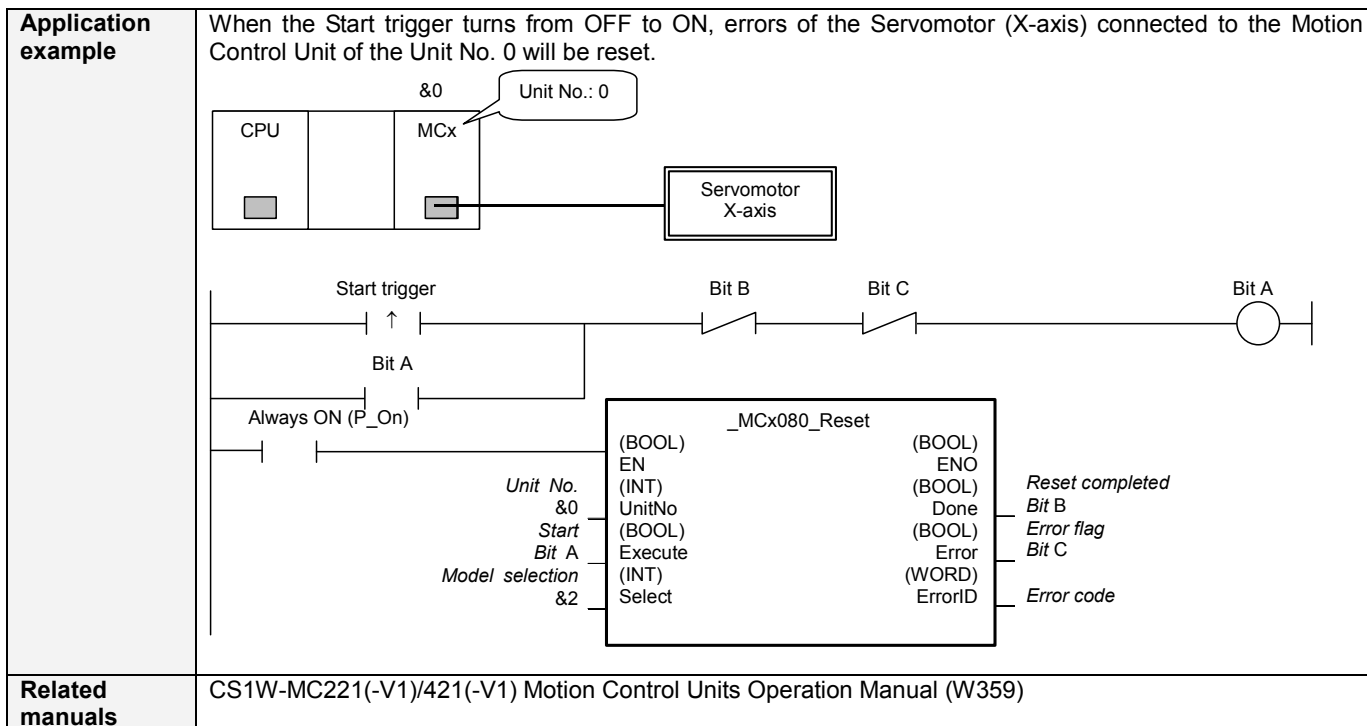


<b>MCx080</b>	<b>Reset Axis Error: _MCx080_Reset</b>	
<b>Basic function</b>	Resets and axis error.	
<b>Symbol</b>		
<b>File name</b>	Lib\FBL\omronlib\ PositionController \MCx\ _MCx080_Reset10.cxf	
<b>Applicable models</b>	Motion Control Unit CPU Unit CX-Programmer	CS1W-MC221(-V1)/421(-V1) CS1*-CPU**H Unit version 3.0 or higher CJ1*-CPU**H Unit version 3.0 or higher CJ1M-CPU** Unit version 3.0 or higher CP1H Version 5.0 or higher
<b>Conditions for usage</b>	None	
<b>Function description</b>	<p>When Start (Execute) turns ON, errors of the axis specified with Unit No. (UnitNo) and Axis No. (Axis) will be reset.</p> <p>The Reset completed (Done) will turn ON after resetting axis errors is completed and the axis becomes able to receive commands.</p> <p>The Error Flag (Error) will be turned ON and the Error Code (Error code) will be output if an error occurs for this FB. These statuses are not output for errors of other FBs or instances.</p> <p>These statuses will be reset when Start (Execute) turns OFF. If Start (Execute) turns OFF before completion of the error reset, the status will be set for at least one cycle when a corresponding condition occurs.</p>	
<b>FB precautions</b>		
<b>EN input condition</b>	<ul style="list-style-type: none"> <li>• Connect the EN input to the Always On Flag (P_On).</li> <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>	
<b>Restrictions Other</b>	This FB uses bits in the Bit Areas of the applicable Motion Control Units listed above. Do not use these bits as Output Bits connected directly to the right bus bar in the ladder programs.	



■ Variable Tables  
Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1 (ON): Starts FB 0 (OFF): Does not start FB
Unit No.	UnitNo	INT	&0	&0 to &93 &0 to &91	Depends on the model of Motion Control Units. &0 to &95 (MC221) &0 to &91 (MC421)
Axis No.	Axis	INT	&1	&1to &4	&1: X-axis &2: Y-axis &3: Z-axis &4: U-axis
Start	Execute	BOOL	0(OFF)		↑ : Starts resetting axis errors
Model seleciton	Select	INT	&4	&2, &4	&2: 2-axis Unit (MC221) &4: 4-axis Unit (MC421)

Output Variables

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

Version History

Version	Date	Contents
1.00	2005.4	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.