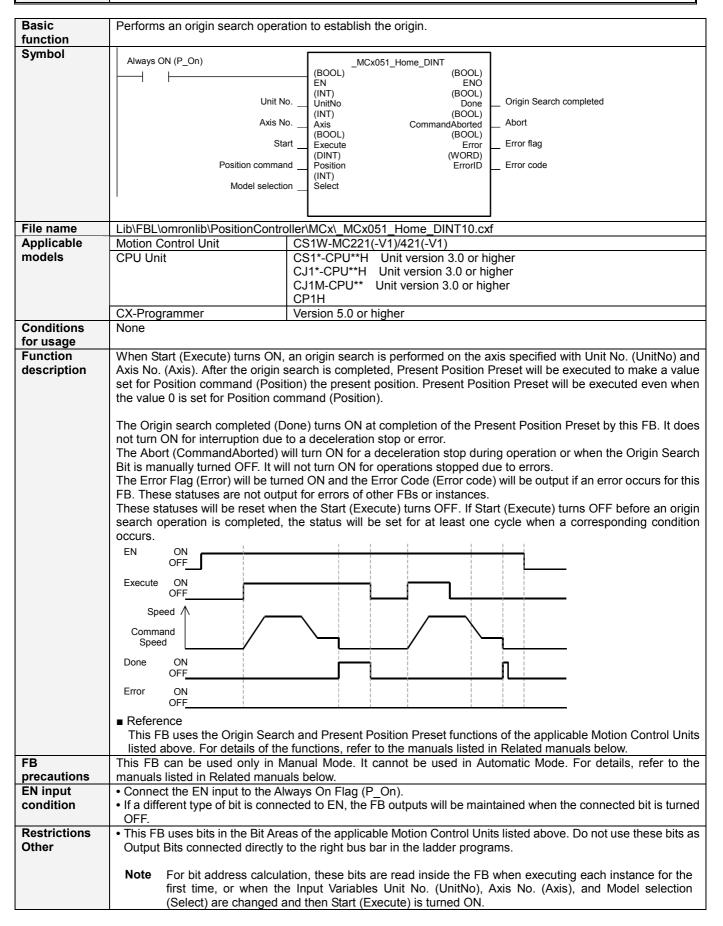
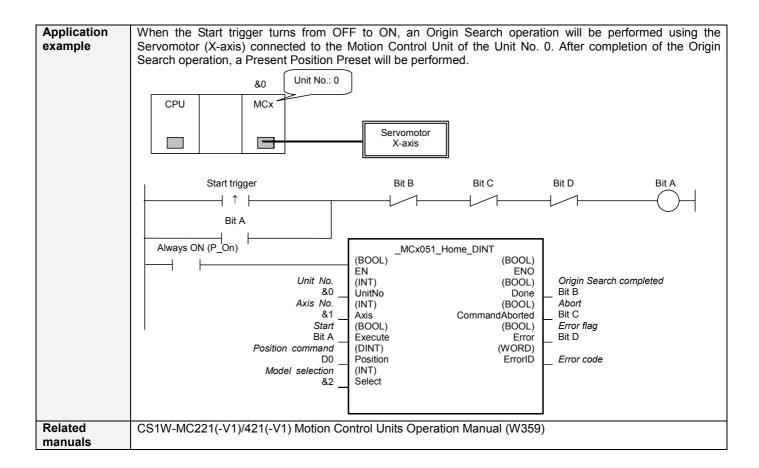
## Origin Search (DINT): \_MCx051\_Home\_DINT





## ■ 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	Depends on the model of Motion Control
				&0 to &91	Units.
					&0 to &95 (MC221)
					&0 to &91 (MC421)
Axis No.	Axis	INT	&1	&1 to &4	&1: X-axis
					&2: Y-axis
					&3: Z-axis
					&4: U-axis
Start	Execute	BOOL	0(OFF)		: Starts origin search
Position command	Position	DINT	+0.0	-39,999,999	Specify a value to be used as the Present
				to	Position for Present Position Preset.
				+39,999,999	Unit: Command units
Model selection	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
				•FB not started
				One or more Input Variables set out of range
				FB ended with an error
				Parameter not read successfully
Origin Search completed	Done	BOOL		1 (ON) indicates that an origin search is completed.
Abort	CommandAborted	BOOL		1 (ON): Aborted
				Origin Search Bit turned OFF.
				Origin search stopped by STOP.
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 or when a bit to be used by
				this FB is already ON, #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.