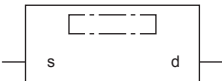
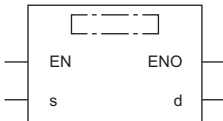


# 20.2 Converting BOOL to DWORD

## BOOL\_TO\_DWORD(\_E)

**FX5S** **FX5UJ** **FX5U** **FX5UC**

These functions convert BOOL type data to DWORD type data.

Ladder diagram, FBD/LD		Structured text
[Without EN/ENO] 	[With EN/ENO] 	[Without EN/ENO] d:=BOOL_TO_DWORD(s); [With EN/ENO] d:=BOOL_TO_DWORD_E(EN,ENO,s);

### Setting data

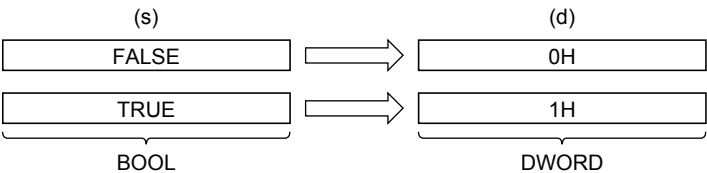
#### ■Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s(IN)	Input	Input variable	BOOL
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(BOOL_TO_DWORD(_E))	Output	Output variable	DWORD

### Processing details

#### ■Operation processing

- These functions convert the BOOL type data input to (s) to DWORD type data and output from (d).
- When the input value is "FALSE", these functions output 0H as the DWORD type data value.
- When the input value is "TRUE", these functions output 1H as the DWORD type data value.



- A value input to (s) is the BOOL type data value.

#### ■Operation result

##### 1. Function without EN/ENO

The operation processing is executed. The operation output value is output from (d).

##### 2. Function with EN/ENO

The following table lists the execution conditions and operation results.

Execution condition	Operation result	
EN	ENO	(d)
TRUE (Executes operation)	TRUE	Operation output value
FALSE (Stops operation)	FALSE <sup>*1</sup>	Indefinite value

<sup>\*1</sup> When FALSE is output from ENO, data output from (d) is undefined. In that case, modify a program so that the data output from (d) is not used.

### Operation error

There is no operation error.