

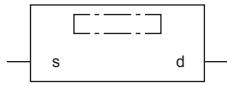
20 TYPE CONVERSION FUNCTIONS

20.1 Converting BOOL to WORD

BOOL_TO_WORD(_E)

FX5S FX5UJ FX5U FX5UC

These functions convert BOOL type data to WORD type data.

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

Setting data

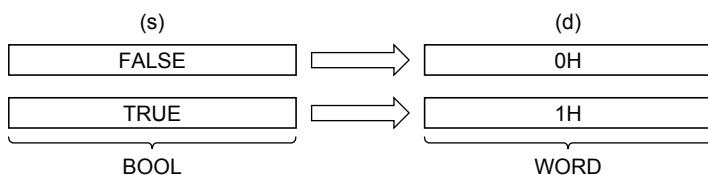
■ Descriptions, types, and data types

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_WORD(_E))	Output	Output variable	WORD

Processing details

■ Operation processing

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

*1 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.