

20.4 Converting BOOL to DINT

BOOL_TO_DINT(_E)

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

These functions convert BOOL type data to DINT type data.

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

Setting data

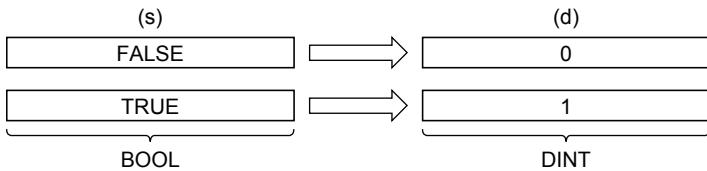
■ Descriptions, types, and data types

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_DINT(_E))	Output	Output variable	DINT

Processing details

■Operation processing

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