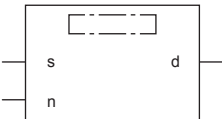
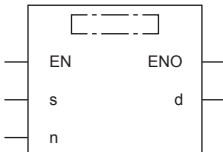


20.52 Converting DINT to Bit Array

DINT_TO_BITARR(_E)

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

These functions output low-order (n) bits of DINT type data to a bit array.

| Ladder diagram, FBD/LD | | Structured text |
|---|---|--|
| [Without EN/ENO] | [With EN/ENO] | <pre>[Without EN/ENO] d:=DINT_TO_BITARR(s,n); [With EN/ENO] d:=DINT_TO_BITARR_E(EN,ENO,s,n);</pre> |
|  |  | |

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Setting data

■Descriptions, types, and data types

| Argument | Description | Type | Data type |
|-----------------------|--|-----------------|--------------------|
| EN | Execution condition (TRUE: Execution, FALSE: Stop) | Input variable | BOOL |
| s | Input | Input variable | ANY32 |
| n | Only a constant 4, 8, 12, 16, 20, 24, 28 or 32 can be specified. | Input variable | INT |
| ENO | Output status (TRUE: Normal, FALSE: Abnormal) | Output variable | BOOL |
| d(DINT_TO_BITARR(_E)) | Output (Variables are available for element specification.) | Output variable | BOOL array element |

Processing details

■Operation processing

- These functions output low-order (n) bits of ANY 32 type data specified to (s) to (d).
- Output bits beyond the specified number of bits are not changed.

■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.