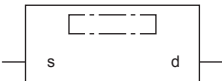
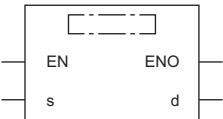


20.28 Converting DINT to INT

DINT_TO_INT(_E)

FX5S FX5UJ FX5U FX5UC

These functions convert DINT type data to INT type data.

| Ladder diagram, FBD/LD | | Structured text |
|---|--|--|
| [Without EN/ENO]  | [With EN/ENO]  | [Without EN/ENO] d:=DINT_TO_INT(s); [With EN/ENO] d:=DINT_TO_INT_E(EN,ENO,s); |

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Setting data

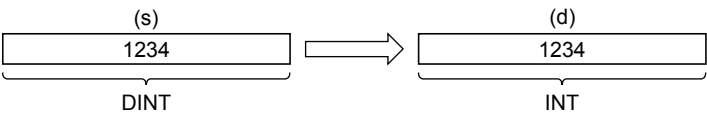
■Descriptions, types, and data types

| Argument | Description | Type | Data type |
|--------------------|--|-----------------|-----------|
| EN | Execution condition (TRUE: Execution, FALSE: Stop) | Input variable | BOOL |
| s(IN) | Input | Input variable | DINT |
| ENO | Output status (TRUE: Normal, FALSE: Abnormal) | Output variable | BOOL |
| d(DINT_TO_INT(_E)) | Output | Output variable | INT |

Processing details

■Operation processing

- These functions convert the DINT type data input to (s) to INT type data and output from (d).



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

■Operation result

1. Function without EN/ENO

The following table lists the operation results.

| Operation result | (d) |
|-----------------------------|------------------------|
| No operation error occurred | Operation output value |
| An operation error occurred | Indefinite value |

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 error did not occur) | Operation output value |
| | FALSE (Operation error occurred)*1 | Indefinite 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

| Error code (SD0/SD8067) | Description |
|----------------------------|---|
| 3401H | The 32-bit signed binary data in the device specified by (s) is out of the valid range (-32768 to 32767). |