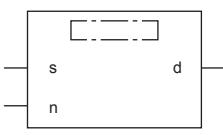
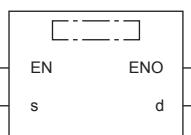


20.50 Converting Bit Array to DINT

BITARR_TO_DINT(_E)

FX5S FX5U FX5U FX5UC

These functions convert a bit array to DINT type data for a specified number of bits.

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

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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(BitArr)	Input (Variables are available for element specification.)	Input variable	BOOL array element
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(BITARR_TO_DINT(_E))	Output	Output variable	ANY32

Processing details

■ Operation processing

- These functions convert the data for bits specified by (n) starting from the bit array element input to (s) to ANY 32 type data and output from (d).
- "0" is set to output bits beyond the specified number of bits.

■ 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.