27.8 Searching Character String
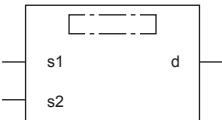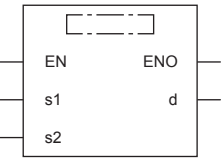
FIND(_E)

FX5S FX5UJ FX5U FX5UC

These functions search for a character string and output the result.

Ladder diagram, FBD/LD		Structured text

[Without EN/ENO]
 	
s1   d
s2
	[With EN/ENO]
	
	EN ENO
	s1 d
	s2
		[Without EN/ENO]
		d:=FIND(s1,s2);
		[With EN/ENO]
		d:=FIND_E(EN,ENO,s1,s2);

Setting data

■Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s1(IN1), s2(IN2)	Input	Input variable	STRING(255)
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(FIND(_E))	Output	Output variable	INT

Processing details

■Operation processing

- These functions search for a character string input to (s2) from the start of the character string input to (s1) and output the result from (d).
- This function outputs the head character position of the searched character string detected first as the search result.
- If a character string specified by (s2) cannot be searched from the one specified by (s1), these functions output "0".
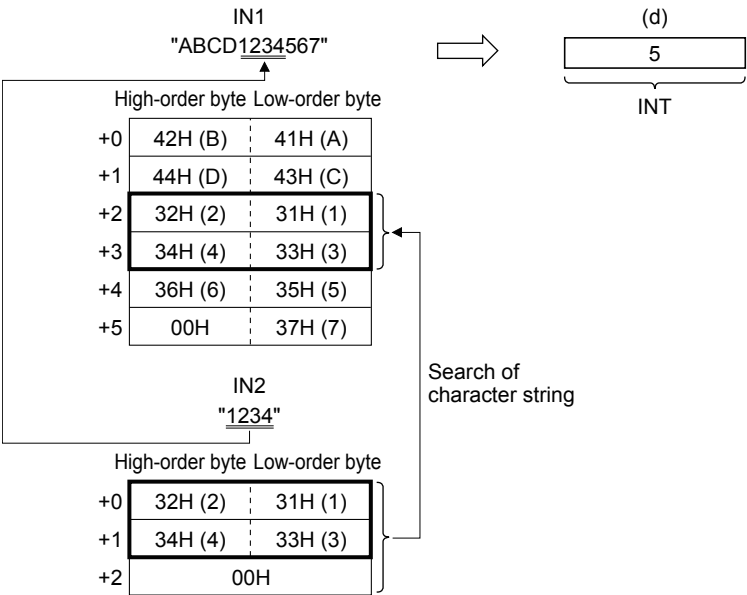
- A value input to (s1) and (s2) is the STRING type data value and within the range from 0 to 255 byte(s).

■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.