

# 27 CHARACTER STRING FUNCTIONS

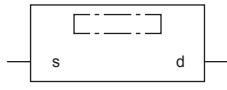
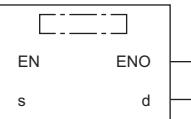
## 27.1 Character String Length Detection

### LEN(\_E)

27

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

These functions detect the length of an input character string and output the result.

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

### Setting data

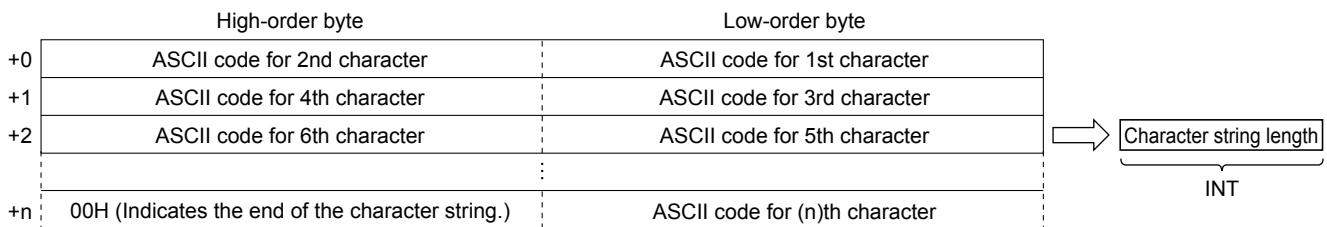
#### ■ Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s(IN)	Input	Input variable	STRING(255)
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(LEN(_E))	Output	Output variable	INT

### Processing details

#### ■ Operation processing

- These functions detect the length of a character string input to (s) and output the result from (d).



- A value input to (s) 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 <sup>*1</sup>	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.