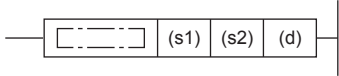# Multiplying BCD 4-digit data
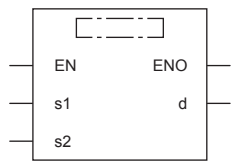
B*(P)

| FX5S | FX5UJ | FX5U | FX5UC |

These instructions multiply the BCD 4-digit data specified by (s1) and the BCD 4-digit data specified by (s2), and store the results in the device specified by (d).

Ladder diagram	Structured text
⊣ [⎓] (s1) (s2) (d) ⊢	Not supported

FBD/LD

```
    ┌─ ⎓ ─┐
  ──┤EN  ENO├──
  ──┤s1    d├──
  ──┤s2     │
    └───────┘
```

("BMULTI", "BMULTIP" enters □.)

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(s1)	Multiplicand data or the device where the data to be multiplied by another is stored	0 to 9999	BCD 4-digit	ANY16
(s2)	Multiplier data or the device where the data by which another is to be multiplied is stored	0 to 9999	BCD 4-digit	ANY16
(d)	Head device for storing the operation result	—	BCD 8-digit	ANY32
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others
	X, Y, M, L, SM, F, B, SB, S	T, ST, C, D, W, SD, SW, R	U□\G□	Z	LC	LZ		K, H	E	$	
(s1)	○	○	○	○	—	—	○	○	—	—	—
(s2)	○	○	○	○	—	—	○	○	—	—	—
(d)	○	○	○	○	○	○	○	—	—	—	—

Processing details

- These instructions multiply the BCD 4-digit data specified by (s1) and the BCD 4-digit data specified by (s2), and store the multiplication results in the device specified by (d). ((d)+1: Upper 4 digits, (d): Lower 4 digits)
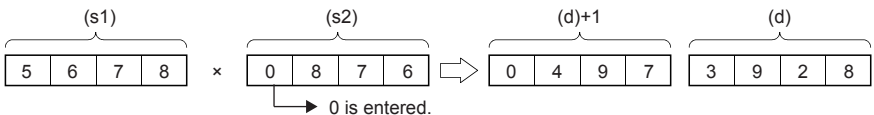
Operation error

Error code (SD0/SD8067)	Description
2820H	The device specified by (d) exceeds the corresponding device range.
3405H	BCD data in the device specified by (s1) is outside of the valid range (0 to 9999).
	BCD data in the device specified by (s2) is outside of the valid range (0 to 9999).