

Adding BCD 8-digit data

DB+(P) [using two operands]

FX5S FX5UJ FX5U FX5UC

These instructions add the BCD 8-digit data in the device specified by (d) and the BCD 8-digit data in the device specified by (s), and store the result in the device specified by (d).

Ladder diagram	Structured text
	Not supported ☞ Page 254 DB+(P) [using three operands]

FBD/LD
Not supported. ☞ Page 254 DB+(P) [using three operands]

Setting data

■ Descriptions, ranges, and data types

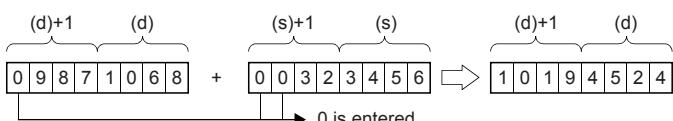
Operand	Description	Range	Data type	Data type (label)
(s)	Addend data or the head device where the data that is added to another is stored	0 to 99999999	BCD 8-digit	ANY32
(d)	Head device where the data to which another data is added is stored	0 to 99999999	BCD 8-digit	ANY32

■ 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	\$	
(s)	○	○	○	○	○	○	○	○	—	—	—
(d)	○	○	○	○	○	○	○	—	—	—	—

Processing details

- These instructions add the BCD 8-digit data in the device specified by (d) and the BCD 8-digit data in the device specified by (s), and store the addition result in the device specified by (d).



(d)+1, (s)+1	(d), (s)
Upper 4 digits	Lower 4 digits

- If the addition result exceeds 99999999, carry is ignored. In this case, the carry flag (SM700) does not turn ON.

$$\begin{array}{r} 9 \ 9 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \\ + \ 0 \ 1 \ 6 \ 5 \ 4 \ 3 \ 2 \ 1 \\ \hline 0 \ 0 \ 6 \ 5 \ 4 \ 3 \ 2 \ 1 \end{array}$$

Operation error

Error code (SD0/SD8067)	Description
3405H	BCD data in the device specified by (s) is outside of the valid range (0 to 99999999).
	BCD data in the device specified by (d) is outside of the valid range (0 to 99999999).

DB+(P) [using three operands]

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

These instructions add the BCD 8-digit data in the device specified by (s1) and the BCD 8-digit data in the device specified by (s2), and store the result in the device specified by (d).

Ladder diagram	Structured text
	<pre>ENO:=DBPLUS(EN,s1,s2,d); ENO:=DBPLUSP(EN,s1,s2,d);</pre>
FBD/LD	

("DBPLUS", "DBPLUSP" enters □.)

Setting data

■ Descriptions, ranges, and data types

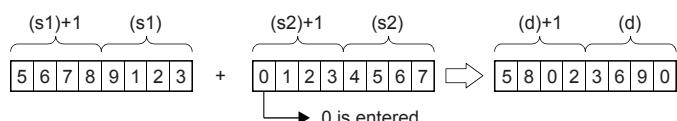
Operand	Description	Range	Data type	Data type (label)
(s1)	Augend data or the head device where the data to which another is added is stored	0 to 99999999	BCD 8-digit	ANY32
(s2)	Addend data or the head device where the data that is added to another is stored	0 to 99999999	BCD 8-digit	ANY32
(d)	Head device for storing the operation result	0 to 99999999	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		K, H	E	\$	
(s1)	○	○	○	○	○	○	○	○	—	—	—
(s2)	○	○	○	○	○	○	○	○	—	—	—
(d)	○	○	○	○	○	○	○	—	—	—	—

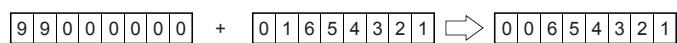
Processing details

- These instructions add the BCD 8-digit data in the device specified by (s1) and the BCD 8-digit data in the device specified by (s2), and store the addition result in the device specified by (d).



(d)+1, (s1)+1, (s2)+1	(d), (s1), (s2)
Upper 4 digits	Lower 4 digits

- If the addition result exceeds 99999999, carry is ignored. In this case, the carry flag (SM700) does not turn ON.



Operation error

Error code (SD0/SD8067)	Description
3405H	BCD data in the device specified by (s1) is outside of the valid range (0 to 99999999). BCD data in the device specified by (s2) is outside of the valid range (0 to 99999999).