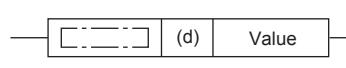


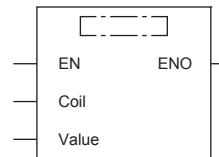
Long counter

OUT LC

FX5S FX5UJ FX5U FX5UC

This instruction increments the current value of the long counter specified by (d) by 1 when the operation result up to the OUT instruction changes from OFF to ON, and when the counter reaches the end of its count, NO contact becomes conductive and NC contact becomes non-conductive.

Ladder diagram	Structured text
 Value: Set value	ENO:=OUT_C(EN,Coil,Value);

FBD/LD
 ("OUT_C" enters □.)

Setting data

■ Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d) ^{*1}	Long counter number	—	Long counter	ANY ^{*3}
(Set value) ^{*2}	Long counter set value	0 to 4294967295	32-bit unsigned binary	ANY_INT ^{*4}
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 In the case of the ST language and the FBD/LD language, d displays as Coil.

*2 In the case of the ST language and the FBD/LD language, Set value displays as Value.

*3 Only long counter type label can be used.

*4 Digit specified bit type label cannot be used.

■ 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	\$	
(d)	—	—	—	—	○	—	—	—	—	—	—
(Set value)	—	○ ^{*1}	○	—	—	—	—	○ ^{*2}	—	—	—

*1 T, ST, and C cannot be used.

*2 Only decimal constant (K) can be used.

Processing details

- This instruction increments the current value of the long counter specified by (d) by 1 when the operation result up to the OUT instruction changes from OFF to ON, and when the counter reaches the end of its count (current value \geq set value), NO contact becomes conductive and NC contact becomes non-conductive.
- The counter does not count while the operation result remains on. (Count input does not need to be converted to pulses.)
- After a count up, the count value and contact status do not change until the RST or ZRST instruction is executed.
- When the set value is 0, the same processing as for set value 1 is performed.
- When signed (-2147483648 to + 2147483647) or high speed counter is assigned to the LC, the UDCNTF instruction is used. For the UDCNTF instruction, refer to [Page 774 UDCNTF](#).

Operation error

Error code (SD0/SD8067)	Description
2821H	When the high speed counter is assigned to the specification long counter.