

## BOOL (bit)

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### Description

An operand of data type BOOL represents a bit value and contains one of the following values:

- TRUE
- FALSE

The following table shows the properties of data type BOOL:

Length (bits)	Format	Value range	Examples of value input
1	Boolean	FALSE or TRUE BOOL#0 or BOOL#1 BOOL#FALSE or BOOL#TRUE	TRUE BOOL#1 BOOL#TRUE
	Unsigned integers (decimal system)	0 or 1	1
	Binary numbers	2#0 or 2#1	2#0
	Octal numbers	8#0 or 8#1	8#1
	Hexadecimal numbers	16#0 or 16#1	16#1

#### Note

##### Applies to CPUs of the S7-1500 series

For a block with the block property "Optimized block access", the bit has a length of 1 byte.

### See also

[Overview of the valid data types](#)

[Basics of constants](#)

[Data type conversion for S7-1200 \(S7-1200\)](#)