

Primitive (basic) types

Type	Meaning	Value range	Size in bytes
char	unsigned character	character	1
int8	signed integer	-128...+127	1
int16	signed integer	-32768...+32767	2
int32	signed integer	-2147483648... +2147483647	4
uns8	unsigned integer	0...255	1
uns16	unsigned integer	0...65535	2
uns32	unsigned integer	0...4294967295	4
bool8	Boolean variable. The variable is false if all the bits are false. The variable is true if one of the bits are true.	true/false	1
bool16	Boolean variable. The variable is false if all the bits are false. The variable is true if one of the bits are true.	true/false	2
float	floating point number		4

Structured types

0,0.0 →

0,0 →

0,0 →

→

0,0 →

0 →

0,0.0 →

0,0 →

0,0 →

Type	Meaning	Members	Meaning of members	Type of member
ana	analogy signal	f a	fault bits value	fails float
ints	short integer	f s	fault bits value	fails int16
intl	long integer	f l	fault bits value	fails int32
time	time and date	hundus tenms sec min hour wday day month year vers	100 micro seconds 10 milliseconds seconds minutes hours week days day month year version of a time (b7 – b5) and time zone (b4 – b0)	uns8 uns8 uns8 uns8 uns8 uns8 uns8 uns8 uns8 uns8
bo	binary output	bv pw	state of a binary output pulse length of a binary output	bin uns16
binev	binary signal with a time stamp	binstat bintime	value time stamp	bin time
anaev	analog signal with a time stamp	anastat anatime	value time stamp	ana time
intsev	short integer with a time stamp	intsstat intstime	value time stamp	ints time
intllev	long integer with a time stamp	intlstat intltime	value time stamp	intl time