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Analog input 1: Control word (0x2A31:02 / P-0-2900.0.1 / P-0-1783)

Function

Each instance of the parameter "P-0-2900.x.1" stands for one of the analog inputs.

x = 0: Analog input 1 (Onboard)

x = 1: Analog input 1 (DA option)

x = 2: Analog input 2 (DA option)

x = 3: Analog input 3 (DA option)

The parameter is used for selecting the clock in which the analog input is processed, and for selecting the measuring range.

See [Analog Inputs](#)

Structure

The parameter has the following structure:

Bit	Description/function	Comment
4-0	Reserved	
7-5	Clock in which the assignment is calculated	
	001: Controller clock	
	100: 2ms	
11-8	Settings for the measuring range of the analog inputs	
	0001: Voltage ±10 V	
	0111: User-defined voltage range (wire break monitoring can be activated)	
	1001: Current 4\ - 20mA only possible with DA option (wire break monitoring can be activated)	
13-12	Reserved	

15- **Type of diagnostics for wire break monitoring** The monitoring function is
14 active if P-0-2900.x.10 != 0
00: Warning E2270
01: Warning E2270