Signal targets for STW1 in Interface Mode VIK-NAMUR (p2038 = 2)   <1>

Signal	Meaning	Interconnection parameters	[Function diagram] internal control word	[Function diagram] signal target	Inverted
STW1.0	⬆ = ON (pulses can be enabled) **0 = OFF1** (braking with ramp-function generator, then pulse cancllation & ready-to-power-up)	p0840[0] = r2090.0	[2501.3]	[2610]	-
STW1.1	**1 = No OFF2** (enable is possible) 0 = OFF2 (immediate pulse cancellation and power-on inhibit)	p0844[0] = r2090.1	[2501.3]	[2610]	-
STW1.2	**1 = No OFF3** (enable possible) 0 = OFF3 (braking with the OFF3 ramp p1135, then pulse cancellation and power-on inhibit)	p0848[0] = r2090.2	[2501.3]	[2610]	-
STW1.3	**1 = Enable operation** (pulses can be enabled) 0 = Inhibit operation (cancel pulses)	p0852[0] = r2090.3	[2501.3]	[2610]	-
STW1.4	**1 = Operating condition** (the ramp-function generator can be enabled) 0 = Inhibit ramp-function generator (set the ramp-function generator output to zero)	p1140[0] = r2090.4	[2501.3]	[3060] [3070] [3080]	-
STW1.5	**1 = Enable the ramp-function generator** 0 = Stop the ramp-function generator (freeze the ramp-function generator output)	p1141[0] = r2090.5	[2501.3]	[3060] [3070]	-
STW1.6	**1 = Enable setpoint** 0 = Inhibit setpoint (set the ramp-function generator input to zero)	p1142[0] = r2090.6	[2501.3]	[3060] [3070] [3080]	-
STW1.7	⬆ **= Acknowledge faults**	p2103[0] = r2090.7	[2546.1]	[8060]	-
STW1.8	**Reserved**	-	-	-	-
STW1.9	**Reserved**	-	-	-	-
STW1.10	**1 = Control via PLC** <2>	p0854[0] = r2090.10	[2501.3]	[2501]	-
STW1.11	**1 = Dir of rot reversal**	p1113[0] = r2090.11	[2505.3]	[3040]	-
STW1.12	**Reserved**	-	-	-	-
STW1.13	**Reserved**	-	-	-	-
STW1.14	**Reserved**	-	-	-	-
STW1.15	**1 = CDS selection**	p0810[0] = 2090.15	-	[8565]	-

<1> Used in telegram 20.
<2> Bit 10 must be set in the first PZD word of the telegram received from PROFIBUS in order to ensure that the drive accepts the process data.

1	2	3	4	5	6	7	8

DO: VECTOR | fp_2441_01_eng.vsd | Function diagram | **- 2441 -**
PROFIdrive - STW1 control word interconnection (p2038 = 2) | 12.01.07 V02.05.00 | SINAMICS S