Signal targets for E_STW1   <1>

Signal	Meaning	Interconnection parameters	[Function diagram] internal control word			[Function diagram] signal target			Inverted
			A_INF	B_INF	S_INF	A_INF	B_INF	S_INF	
STW1.0	**↑ = ON** (close pre-charging/line contactor, pulses can be enabled) 0 = OFF1 (reduce Vdc along a ramp, pulse cancellation & open pre-charging/line contactor)	p0840[0] = r2090.0	[8920.3]	[8720.3]	[8820.3]	[8932]	[8732]	[8832]	-
STW1.1	**1 = No OFF2 (enable is possible)** 0 = OFF2 (immediate pulse cancellation and power-on inhibit)	p0844[0] = r2090.1	[8920.3]	[8720.3]	[8820.3]	[8932]	[8732]	[8832]	-
STW1.2	**Reserved**		-	-	-	-	-	-	-
STW1.3	**1 = Enable operation (pulses can be enabled)** <3> 0 = Inhibit operation (cancel pulses)	p0852[0] = r2090.3	[8920.3]	-	[8820.3]	[8932]	-	[8832]	-
STW1.4	**Reserved**	-	-	-	-	-	-	-	-
STW1.5	**1 = Inhibit motoring operation** <4>	p3532= r2090.5	[8920.3]	-	-	[8920]	-	-	-
STW1.6	**1 = Inhibit regenerative operation** <3>	p3533= r2090.6	[8920.3]	-	[8820.3]	[8920]	-	[8820]	-
STW1.7	**↑ = Acknowledge faults**	p2103[0] = r2090.7	[2546.3]			[8060]			-
STW1.8	**Reserved**		-	-	-	-	-	-	-
STW1.9	**Reserved**		-	-	-	-	-	-	-
STW1.10	**1 = Control via PLC** <2>	p0854[0] = r2090.10	[8920.3]	[8720.3]	[8820.3]	[8920]	[8720]	[8820]	-
STW1.11	**Reserved**		-	-	-	-	-	-	-
STW1.12	**Reserved**		-	-	-	-	-	-	-
STW1.13	**Reserved**		-	-	-	-	-	-	-
STW1.14	**Reserved**		-	-	-	-	-	-	-
STW1.15	**Reserved**		-	-	-	-	-	-	-

<1> Used in telegram 370.
<2> Bit 10 must be set in the first PZD word of the telegram received from PROFIdrive in order to ensure that the drive object accepts the process data.
<3> Only for A_INF, S_INF
<4> Only for A_INF

1	2	3	4	5	6	7	8

DO: A_INF, B_INF, S_INF   fp_2447_01_eng.vsd   Function diagram

PROFIdrive - E_STW1 control word infeed interconnection   14.07.06   V02.05.00   SINAMICS S   **- 2447 -**