

Refer to [1020.7]

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Signal	Meaning	Interconnection parameters	[Function diagram] internal control word	[Function diagram] signal target	Inverter
STW1.0	= ON (pulses can be enabled) 0 = OFF1 (braking with ramp-funct. generator, then pulse cancellation and 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 = Do not reject traversing task 0 = Reject traversing task (ramp-down with the maximum deceleration)	p2641 = r2090.4	-	[3616.5] [3625]	-
STW1.5	1 = No intermediate stop 0 = Intermediate stop	p2640 = r2090.5	-	[3616.5] [3625]	-
STW1.6	= Activate traversing task	<3>p2631 = r2090.6 p2650 = r2090.6	-	[3620.1] [3625]	-
STW1.7	= Acknowledge faults	p2103[0] = r2090.7	[2546.1]	[8060]	-
STW1.8	1 = Jog 1 ON 0 = Jog 1 OFF	p2589 = r2090.8	-	[3610.1] [3625]	-
STW1.9	1 = Jog 2 ON 0 = Jog 2 OFF	p2590 = r2090.9	-	[3610.1] [3625]	-
STW1.10	1 = Control via PLC <2>	p0854[0] = r2090.10	[2501.3]	[2501]	-
STW1.11	1 = Start homing 0 = Stop homing	p2595 = r2090.11	-	[3612.1] [3625]	-
STW1.12	Reserved	-	-	-	-
STW1.13	= External block change	p2633 = r2092.3	-	[3615]	-
STW1.14	Reserved	-	-	-	-
STW1.15	Reserved	-	-	-	-

<3> The interconnection p2649 = 0 is made additionally.

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

1	2	3	4	5	6	7	8
DO: SERVO, VECTOR					fp_2475_01_eng.vsd	Function diagram	- 2475 -
PROFIdrive - STW1 control word 1 interconnection (r0108.4 = 1)					22.02.07 V02.05.00	SINAMICS S	