

Signal targets for STW2 in Interface Mode SIMODRIVE 611 universal (p2038 = 1)

<1>

PROFIdrive sampling time

Refer to [1020.7]

Signal	Meaning	Interconnection parameters	[Function diagram] internal control word	[Function diagram] signal target	Inverted
STW2.0	Drive data set selection DDS, bit 0	p0820[0] = r2093.0	-	[8565]	-
STW2.1	Drive data set selection DDS, bit 1	p0821[0] = r2093.1	-	[8565]	-
STW2.2	Drive data set selection DDS, bit 2	p0822[0] = r2093.2	-	[8565]	-
STW2.3	Reserved	-	-	-	-
STW2.4	1 = Bypass ramp-function generator <3>	p1122[0] = r2093.4	-	[3060] [3070]	-
STW2.5	Reserved	-	-	-	-
STW2.6	1 = Integrator inhibit, speed controller <2>	p1477[0] = r2093.6	-	[5040] [5210]	-
STW2.7	1 = Parking axis selection	p0897 = r2093.7	-	-	-
STW2.8	1 = Traverse to fixed endstop	p1545[0] = r2093.8	[2520.2]	[8012]	-
STW2.9	Drive data set selection DDS, bit 3	p0823[0] = r2093.9	-	[8565]	-
STW2.10	Drive data set selection DDS, bit 4	p0824[0] = r2093.10	-	[8565]	-
STW2.11	 = Motor changeover, feedback signal	p0828 = r2093.11	-	-	-
STW2.12	Master sign-of-life, bit 0	p2045 = r2050[3]	-	[2410]	-
STW2.13	Master sign-of-life, bit 1	p2045 = r2050[3]	-	[2410]	-
STW2.14	Master sign-of-life, bit 2	p2045 = r2050[3]	-	[2410]	-
STW2.15	Master sign-of-life, bit 3	p2045 = r2050[3]	-	[2410]	-

<1> Used in telegrams 2, 3, 4, 5, 6, 102, 103, 105, 106, 116.

<2> For a 1 signal, the integral component of the speed controller is cleared and the integrator is inhibited.

<3> Only if the function module "extended setpoint channel" is active (r0108.8 = 1).

1	2	3	4	5	6	7	8
DO: SERVO					fp_2445_01_eng.vsd	Function diagram	- 2445 -
PROFIdrive - STW2 control word interconnection (p2038 = 1)					14.07.06 V02.05.00	SINAMICS S	