

Signal targets for STW2 in Interface Mode SINAMICS (p2038 = 0) <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	Drive data set selection DDS, bit 3	p0823[0] = r2093.3	-	[8565]	-
STW2.4	Drive data set selection DDS, bit 4	p0824[0] = r2093.4	-	[8565]	-
STW2.5	Reserved	-	-	-	-
STW2.6	Reserved	-	-	-	-
STW2.7	1 = Parking axis	p0897 = r2093.7	-	-	-
STW2.8	1 = Traverse to fixed endstop <2>	p1545[0] = r2093.8	[2520.2]	[8012]	-
STW2.9	Reserved	-	-	-	-
STW2.10	Reserved	-	-	-	-
STW2.11	 1 = 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, 7, 9 and 110.

<2> Not for telegrams 9 and 110.

1	2	3	4	5	6	7	8
DO: SERVO, VECTOR					fp_2444_01_eng.vsd	Function diagram	- 2444 -
PROFIdrive - STW2 control word interconnection (p2038 = 0)					08.05.07 V02.05.00	SINAMICS S	