

Signal sources for ZSW2 in Interface Mode SIMODRIVE 611 universal (p2038 = 1)

<1>

PROFIdrive sampling time

Refer to [1020.7]

Signal	Meaning	Interconnection parameters	[Function diagram] Internal status word	[Function diagram] Signal source	Inverted
ZSW2.0	1 = Drive data set DDS effective, bit 0	p2081[0] = r0051.0	-	[8565]	-
ZSW2.1	1 = Drive data set DDS effective, bit 1	p2081[1] = r0051.1	-	[8565]	-
ZSW2.2	1 = Drive data set DDS effective, bit 2	p2081[2] = r0051.2	-	[8565]	-
ZSW2.3	Reserved	-	-	-	-
ZSW2.4	1 = Ramp-function generator inactive <3>	p2081[4] = r1199.2	-	[3060] [3080]	✓
ZSW2.5	1 = Holding brake open	p2081[5] = r0899.12	[2503.7]	[2701]	-
ZSW2.6	1 = Integrator inhibit, speed controller	p2081[6] = r2093.6	-	[5040] [5210]	-
ZSW2.7	1 = Parking axis active	p2081[7] = r0896.0	-	-	-
ZSW2.8	1 = Traverse to fixed endstop	p2081[8] = r1406.8	-	[2520]	-
ZSW2.9	1 = Drive data set DDS effective, bit 3	p2081[9] = r0051.3	-	[8565]	-
ZSW2.10	1 = Drive data set DDS effective, bit 4	p2081[10] = r0051.4	-	[8565]	-
ZSW2.11	1 = Data set changeover active	p2081 [11] = r0835.0	-	-	-
ZSW2.12	Slave sign-of-life bit 0	Implicitly interconnected	-	-	-
ZSW2.13	Slave sign-of-life bit 1	Implicitly interconnected	-	-	-
ZSW2.14	Slave sign-of-life bit 2	Implicitly interconnected	-	-	-
ZSW2.15	Slave sign-of-life bit 3	Implicitly interconnected	-	-	-

<2>

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

<2> These signals are automatically interconnected for clock-cycle synchronous operation.

<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_2455_01_eng.vsd	Function diagram	- 2455 -
PROFIdrive - ZSW2 status word interconnection (p2038 = 1)					01.03.07 V02.05.00	SINAMICS S	