

Signal sources for ZSW1 (positioning mode, r0108.4 = 1)						<1>
Signal	Meaning	Interconnection parameters	[Function diagram] Internal status word	[Function diagram] signal source	Inverted <2>	
ZSW1.0	<b>1 = Ready to power-up</b>	p2080[0] = r0899.0	[2503.7]	[2610]	-	
ZSW1.1	<b>1 = Ready to operate (DC link loaded, pulses blocked)</b>	p2080[1] = r0899.1	[2503.7]	[2610]	-	
ZSW1.2	<b>1 = Operation enabled (drive follows n_set)</b>	p2080[2] = r0899.2	[2503.7]	[2610]	-	
ZSW1.3	<b>1 = Fault present</b>	p2080[3] = r2139.3	[2548.7]	[8060]	-	
ZSW1.4	<b>1 = No coast down active (OFF2 inactive)</b>	p2080[4] = r0899.4	[2503.7]	[2610]	-	
ZSW1.5	<b>1 = No fast stop active (OFF3 inactive)</b>	p2080[5] = r0899.5	[2503.7]	[2610]	-	
ZSW1.6	<b>1 = Power-on inhibit active</b>	p2080[6] = r0899.6	[2503.7]	[2610]	-	
ZSW1.7	<b>1 = Alarm present</b>	p2080[7] = r2139.7	[2548.7]	[8065]	-	
ZSW1.8	<b>1 = Following error within tolerance</b>	p2080[8] = r2684.8	[3646.7]	[4025]	-	
ZSW1.9	<b>1 = Control requested</b> <3>	p2080[9] = r0899.9	[2503.7]	[2503]	-	
ZSW1.10	<b>1 = Target position reached</b>	p2080[10] = r2684.10	[3646.7]	[4020] [3625]	-	
ZSW1.11	<b>1 = Home position set</b>	p2080[11] = r2684.11	[3646.7]	[3612] [3614]	-	
ZSW1.12	<b>▲ = Acknowledgement traversing block activated</b>	p2080[12] = r2684.12	[3646.7]	[3616] [3620]	-	
ZSW1.13	<b>1 = Drive at standstill</b>	p2080[13] = r2199.0	[2537.7]	[8010] [3625]	-	
ZSW1.14	<b>Reserved</b>	-	-	-	-	
ZSW1.15	<b>Reserved</b>	-	-	-	-	

&lt;1&gt; Used in telegrams 7, 110, 999.

&lt;2&gt; The status word is generated using the binector-connector converter p2088[0].

&lt;3&gt; The master system requests the process data.

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DO: SERVO, VECTOR

fp\_2479\_01\_eng.vsd

Function diagram

- 2479 -

PROFIdrive - ZSW1 Status Word 1 interconnection (r0108.4 = 1)

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