

SIMATIC DP, ELECT. SUBMODULE FOR ET 200ISP, 4 DO, DC  
17,4V/27MA, "H"-SHUT DOWN



Input current	
from load voltage L+ (without load), max.	300 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	2.1 W
Address area	
Address space per module	
• without packing	2 byte
Digital outputs	
Number of digital outputs	4; additionally 1 intrinsically-safe input for H shutdown
Short-circuit protection	Yes
No-load voltage U <sub>ao</sub> (DC)	17.4 V
Internal resistor R <sub>i</sub>	150 Ω
Trend key points E	
• Voltage U <sub>e</sub> (DC)	13.3 V
• Current I <sub>e</sub>	27 mA
Output current	
• for signal "1" rated value	0.027 A

<b>Output delay with resistive load</b>	
• "0" to "1", max.	2 ms
• "1" to "0", max.	1.5 ms
<b>Parallel switching of two outputs</b>	
• for uprating	Yes
<b>Switching frequency</b>	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz
<b>Cable length</b>	
• shielded, max.	500 m
• unshielded, max.	500 m

<b>Interrupts/diagnostics/status information</b>	
Status indicator	Yes
Alarms	No
Diagnostic functions	Yes
<b>Alarms</b>	
• Diagnostic alarm	Yes; Parameterizable
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
• Wire-break	Yes
• Short-circuit	Yes
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes

<b>Parameter</b>	
Remark	14 byte
Diagnostics wire break	Yes
Diagnostics short-circuit	Yes
Response to CPU/master STOP	Substitute a value/keep last value

<b>Ex(i) characteristics</b>	
<b>Maximum values of output circuits (per channel)</b>	
• Ta (permissible ambient temperature), max.	70 °C

<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• between the channels	No
• between the channels and backplane bus	Yes
• Between the channels and load voltage L+	Yes

<b>Standards, approvals, certificates</b>	
Use in hazardous areas	

- Type of protection acc. to EN 50020 (CENELEC)
- Type of protection acc. to KEMA

II2 G (1) GD Ex ib[ia] IIC T4 and I M2 Ex ib[ia] I

04 ATEX 1249

### Dimensions

Width	30 mm
Height	129 mm
Depth	136.5 mm

### Weights

Weight, approx.	255 g
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**last modified:** 03/09/2017