

SIMATIC DP, ELECT. SUBMODULE FOR ET 200ISP, 4 DO, DC 23,1V/20MA



Input current	
from load voltage L+ (without load), max.	340 mA
Power loss	
Power loss, typ.	2.5 W
Digital outputs	
Number of digital outputs	4
No-load voltage $U_{ao}$ (DC)	23.1 V
Internal resistor $R_i$	275 $\Omega$
Trend key points E	
• Voltage $U_e$ (DC)	17.1 V
• Current $I_e$	20 mA
Output delay with resistive load	
• "0" to "1", max.	2 ms
• "1" to "0", max.	1.5 ms
Parallel switching of two outputs	
• for uprating	Yes
Switching frequency	
• with resistive load, max.	100 Hz

• with inductive load, max.	2 Hz
<b>Cable length</b>	
• shielded, max.	200 m
• unshielded, max.	200 m
<b>Interrupts/diagnostics/status information</b>	
Alarms	No
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• Diagnostic alarm	Yes; Parameterizable
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
• Wire-break	Yes; R > 10 kohms, I < 100 µA
• Short-circuit	Yes; R < 800 ohms (one output), R < 40 ohms (outputs connected in parallel)
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes; Per channel
<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>Permissible potential difference</b>	
between different circuits	60 V DC/30 V AC
<b>Standards, approvals, certificates</b>	
CE mark	Yes
<b>Use in hazardous areas</b>	
• Type of protection acc. to EN 50020 (CENELEC)	II2 G (1) GD EEx ib[ia] IIC T4
• Type of protection acc. to KEMA	04 ATEX 1249
<b>Dimensions</b>	
Width	30 mm
Height	129 mm
Depth	136.5 mm
<b>Weights</b>	
Weight, approx.	255 g
<b>last modified:</b>	03/07/2017