

SIMATIC DP, electronics module for ET200iSP, 4 DQ, 23.1 V DC/20 mA



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 Ω
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
Cable length	
• shielded, max.	200 m
• unshielded, max.	200 m
Interrupts/diagnostics/status information	
Alarms	No
Alarms	
• Diagnostic alarm	Yes; Parameterizable
Diagnostic messages	
• Diagnostic information readable	Yes
• Wire-break	Yes; $R > 10 \text{ kohms}$, $I < 100 \text{ }\mu\text{A}$
• Short-circuit	Yes; $R < 800 \text{ ohms}$ (one output), $R < 40 \text{ ohms}$ (outputs connected in parallel)
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes; Per channel
Potential separation	
Potential separation digital outputs	
• between the channels	No
• between the channels and backplane bus	Yes
• Between the channels and load voltage L+	Yes
Permissible potential difference	
between different circuits	60 V DC/30 V AC
Standards, approvals, certificates	
CE mark	Yes
Use in hazardous areas	
• 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
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weights	
Weight, approx.	255 g
last modified:	05/14/2018