

SIMATIC DP, electronics module for ET200iSP, 4 DQ, 17.4 V DC/27 mA "H"-shutdown



Input current	
Current consumption, typ.	260 mA
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	
• Address space per module, max.	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_{ao} (DC)	17.4 V
Internal resistor R_i	150 Ω
Trend key points E	
• Voltage U_e (DC)	13.3 V
• Current I_e	27 mA
Output current	

• for signal "1" rated value	0.027 A
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.	500 m
• unshielded, max.	500 m

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

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

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

Standards, approvals, certificates	
Use in hazardous areas	
• Type of protection acc. to EN 50020 (CENELEC)	II2 G (1) GD Ex ib[ia] IIC T4 and I M2 Ex ib[ia] I
• 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
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