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Data sheet 6ES7132-7RD21-0AB0

SIMATIC DP, electronics module for ET200iSP, 4 DQ, 17.4 V DC/40 mA "H"-shutdown

Input current	
from load voltage L+ (without load), max.	400 mA; with actuator supply
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	2.8 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 Uao (DC)	17.4 V
Trend key points E	
• Voltage Ue (DC)	11 V
• Current Ie	40 mA; 80 mA when outputs connected in parallel
Output current	
• for signal "1" rated value	0.04 A
Output delay with resistive load	

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• "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	
Diagnostic functions	Yes
Alarms	
• Diagnostic alarm	Yes
Diagnostic messages	
• 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)
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes

Parameter	
Remark	14 byte
Diagnostics wire break	Yes
Diagnostics short-circuit	Yes
Response to CPU/master STOP	Yes

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

Standards, approvals, certificates	
CE mark	Yes
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	Not relevant

Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm

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Weights	
Weight, approx.	255 g

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