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Data sheet 6ES7132-7RD22-0AB0



Figure similar

SIMATIC DP, electronic module for ET200iSP, 4 DQ, 17.4 V DC/40 mA "H"-shutdown, Ex ib (ia Ga) IIC T4 Gb, Ex ib [ia IIIC Da] IIC T4 Gb, Ex ib [ia] I Mb

General information	
Product type designation	4DQ 17.4 V DC/40 mA
Input current	
Current consumption, typ.	380 mA
from load voltage L+ (without load), max.	400 mA
Power loss	
Power loss, typ.	2.8 W
Address area	
Address space per module	
● Address space per module, max.	2 byte
Digital outputs	
Type of digital output	Transistor
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
Internal resistor Ri	167 Ω
Trend key points E	
● Voltage Ue (DC)	10.7 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	
● "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	
Alarms	
● Diagnostic alarm	Yes; Parameterizable
Diagnoses	
● Diagnostic information readable	Yes
● Wire-break	Yes; R > 10 kohms, I < 100 µA
● Short-circuit	Yes; R< 80 Ohm (one output), R< 40 Ohm (outputs connected in parallel)

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Diagnostics indication LED	
● Group error SF (red)	Yes
● Status indicator digital output (green)	Yes; Per channel
Ex(i) characteristics	
maximum values for connecting terminals for gas group IIC	
● Uo (no-load voltage), max.	19.4 V
● Io (short-circuit current), max.	118 mA
● Po (power output), max.	572 mW
● Co (permissible external capacity), max.	241 nF; For IIC, 1507 nF for IIB
● Lo (permissible external inductivity), max.	1.7 mH; For IIC, 10.4 mH for IIB
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
Highest safety class achievable in safety mode	
● SIL acc. to IEC 61508	No
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weights	
Weight, approx.	255 g

last modified: 8/30/2023

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