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Data sheet 6ES7132-7GD30-0AB0



Figure similar

SIMATIC DP, electronic module for ET200iSP, 4 DQ, 25.5 V DC/22 mA, "L"-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 25.5 V DC/22 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 L shutdown
Short-circuit protection	Yes
No-load voltage Uao (DC)	25.5 V
Internal resistor Ri	260 Ω
Trend key points E	
● Voltage Ue (DC)	19.8 V
● Current Ie	22 mA
Output current	
● for signal "1" rated value	0.022 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	No
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	
Diagnostics function	Yes
Alarms	
● Diagnostic alarm	Yes; Parameterizable
Diagnoses	
● Diagnostic information readable	Yes
● Wire-break	Yes; R > 10 kohms, I < 100 µA

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● Short-circuit	Yes; R < 80 ohms
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.	27.9 V
● Io (short-circuit current), max.	110 mA
● Po (power output), max.	764 mW
● Co (permissible external capacity), max.	81 nF; For IIC, 651 nF for IIB
● Lo (permissible external inductivity), max.	1.7 mH; For IIC, 11.5 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

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