SIEMENS

Data sheet

6ES7222-5HH50-0XB0



SIMATIC S7-1200 G2: SM 1222 digital output, 16 relays; outputs: 16x DO, relay 2 A

Figure similar

General information	
Product type designation	SM 1222, DQ 16x relay/2 A
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from backplane bus 5 V DC, max.	115 mA
Digital outputs	
 from load voltage L+, max. 	9 mA; per relay coil
Power loss	
Power loss, typ.	4.2 W
Digital outputs	
Number of digital outputs	16
● in groups of	8
Short-circuit protection	No; to be provided externally
Switching capacity of the outputs	
with resistive load, max.	2 A
 on lamp load, max. 	30 W with DC, 200 W with AC
Output voltage	
Rated value (DC)	5 V DC to 30 V DC
Rated value (AC)	5 V AC to 250 V AC
Output current	
for signal "1" rated value	2 A
Output delay with resistive load	
• "0" to "1", max.	10 ms
• "1" to "0", max.	10 ms
Total current of the outputs (per group)	
horizontal installation	
— up to 50 °C, max.	16 A; Current per mass
Relay outputs	
 Number of relay outputs 	16
 Rated supply voltage of relay coil L+ (DC) 	24 V
 Number of operating cycles, max. 	mechanically 10 million, at rated load voltage 100 000
Switching capacity of contacts	
— with inductive load, max.	2 A
— on lamp load, max.	30 W with DC, 200 W with AC
— with resistive load, max.	2 A
Cable length	

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	Pollutant concentrations	
connection method	SO2 at RH < 60% without condensation	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
	connection method	

required front connector	No
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
Dimensions	
Width	30 mm
Height	125 mm
Depth	100 mm
Weights	
Weight, approx.	217 g

last modified: 1/22/2025 🖸