SIEMENS

Data sheet

6ES7222-1HH32-0XB0



SIMATIC S7-1200, Digital output SM 1222, 16 DO, relay 2 A

Figure similar

Product type designation SM 1222, DQ 16x relay/2 A Supply voltage 20.4 V permissible range, lower limit (DC) 28.8 V Input current 7000 28.8 V from backplane bus 5 V DC, max. 135 mA Digital outputs 11 mA/relay coll Power loss 9000 1000 1000 1000 1000 1000 1000 1000	General information	
permissible range, lower limit (DC) 20.4 V permissible range, upper limit (DC) 28.8 V Input current 135 mA Digital outputs 11 mA/relay coil ● from load voltage L+, max. 11 mA/relay coil Power loss, typ. 8.5 W Short-circuit protection No; to be provided externally Switching capacity of the outputs 1 • with resistive load, max. 2 A • on lamp load, max. 2 A • on lamp load, max. 30 W with DC, 200 W with AC Output voltage 2 A • Rated value (AC) 5 V DC to 30 V DC • Rated value (AC) 5 V AC to 250 V AC Output delay with resistive load 10 ms • 0"1" to "0", max. 10 ms Total current of the outputs (per group) horizontal installation horizontal installation	Product type designation	SM 1222, DQ 16x relay/2 A
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- with resistive load, max. 2 A		
	•	
	Cable length	4 N

e shielded may	500 m
 shielded, max. unshielded, max. 	500 m 150 m
unsnielded, max. Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes
Diagnostics indication LED	
for status of the outputs	Yes
Potential separation	
Potential separation digital outputs	
between the channels	Relays
between the channels, in groups of	4
 between the channels and backplane bus 	1 500 V AC for 1 minute
Permissible potential difference	
between different circuits	750 V AC for 1 minute
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	16.20
	Vec
CE mark	Yes
CSA approval UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Marine approval	Yes
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
• min.	-20 °C
• max.	60 °C; Number of simultaneously activated outputs: 8 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 16 at 55 °C horizontal or 45 °C vertical
 horizontal installation, min. 	-20 °C
 horizontal installation, max. 	60 °C
• vertical installation, min.	-20 °C
 vertical installation, max. 	50 °C
 permissible temperature change 	5°C to 55°C, 3°C / minute
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
 Storage/transport, min. 	660 hPa
 Storage/transport, max. 	1 080 hPa
Relative humidity	
$ullet$ Operation at 25 $^\circ\!\! C$ without condensation, max.	95 %
connection method / header	
required front connector	Yes
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
Dimensions	
Width	45 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	260 g
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