SIEMENS

Data sheet 6ES7222-1HD22-0XA0

SIMATIC S7-200, DIGITAL OUTPUT EM 222, FOR S7-22X CPU ONLY, 4DO (RELAY); 10 A, 5 - 30V DCOR 5 - 250V AC



Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	12 V
• permissible range, upper limit (DC)	30 V
Load voltage L1	
• Rated value (AC)	24 V; 24 V AC to 230 V AC
• permissible range, lower limit (AC)	12 V
• permissible range, upper limit (AC)	250 V
Input current	
from backplane bus 5 V DC, max.	30 mA
Digital outputs	
• from load voltage L+, max.	80 mA; 20 mA per switched output
Power loss	
Power loss, typ.	4 W
Digital outputs	
Number of digital outputs	4; Relays

Changes preserved
© Copyright Siemens AG

Short-circuit protection	No
Limitation of inductive shutdown voltage to	to be provided externally (see manual package "Setting up an S7-200")
Output current	
• for signal "1" rated value	10 A
• for signal "1" permissible range for 0 to 55 °C, max.	10 A
• for signal "0" residual current, max.	0 mA
Total current of the outputs (per group)	
all mounting positions	
— up to 40 °C, max.	40 A
— Current per conductor/group, max.	10 A
horizontal installation	
— up to 55 °C, max.	20 A
Relay outputs	
• Number of operating cycles, max.	30 000 000; mechanically 30 million, at rated load voltage 30,000
Switching capacity of contacts	
— with inductive load, max.	3 A; 2 A (DC), 3 A (AC)
— on lamp load, max.	1 000 W; 100/1000 W (DC/AC)
— with resistive load, max.	10 A
Cable length	
• shielded, max.	500 m
• unshielded, max.	150 m

Potential separation	
Potential separation digital outputs	
• Potential separation digital outputs	Yes; Relays
• between the channels, in groups of	1; 4 groups

Connection method	
Plug-in I/O terminals	Yes

Dimensions	
Width	45 mm
Height	80 mm
Depth	62 mm

Weights	
Weight, approx.	150 g

last modified: 08.08.2015

Changes preserved
© Copyright Siemens AG