

SIEMENS

Product 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

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 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 losses	
Power loss, typ.	4 W

Digital outputs	
Number/binary outputs	4 ; Relay
Functionality/short-circuit strength	No ; to be provided externally (see manual package "Setting up an S7-200")
Limitation of inductive shutdown voltage to	to be provided externally (see manual package "Setting up an S7-200")
Output current	
for signal "1" permissible range for 0 to 40 °C, max.	10 A
for signal "1" permissible range for 0 to 55 °C, max.	10 A
for signal "0" residual current, max.	0 mA
Aggregate current of outputs (per group)	
all mounting positions	
up to 40 °C, max.	40 A
maximum current per conductor/group	10 A
horizontal installation	
up to 55 °C, max.	20 A
Relay outputs	
Number of operating cycles, max.	30000000 ; 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.	1000 W ; 100/1000 W (DC/AC)
Switching frequency/contacts/at ohmic load/maximum	10 A
Cable length	
Cable length, shielded, max.	500 m
Cable length unshielded, max.	150 m
Galvanic isolation	
Galvanic isolation digital outputs	
Galvanic isolation digital outputs	Yes ; Relay
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
Weight	
Weight, approx.	150 g
Status	Jul 17, 2012