SIEMENS

Product data sheet 6ES7222-1BD22-0XA0



SIMATIC S7-200, DIGITAL OUTPUT EM 222,
FOR S7-22X CPU ONLY, 4DO, 4-24V DC;
5 A/POINT SOURCE

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Supply voltage	
Load voltage L+	
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.	40 mA
Power losses	
Power loss, typ.	3 W
Digital outputs	
Number/binary outputs	4
Functionality/short-circuit strength	No
Limitation of inductive shutdown voltage to	L+ (-48 V)
Output voltage	
for signal "1", min.	20 V DC
Output current	
for signal "1" permissible range for 0 to 40 °C, max.	5 A
for signal "1" permissible range for 0 to 55 °C, max.	5 A

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for signal "0" residual current, max.	30 µA
Aggregate current of outputs (per group)	
all mounting positions	
up to 40 °C, max.	20 A
maximum current per conductor/group	5 A
horizontal installation	
up to 55 °C, max.	20 A
Relay outputs	
Switching capacity of contacts	
with inductive load, max.	5 A
on lamp load, max.	50 W
Switching frequency/contacts/at ohmic load/maximum	5 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
between the channels, in groups of	1
Connection method	
Plug-in I/O terminals	Yes
Dimensions	
Width	45 mm
Height	80 mm
Depth	62 mm
Weight	
Weight, approx.	120 g
Status	Feb 25, 2013

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