SIEMENS

Product data sheet 6ES7222-1EF22-0XA0



SIMATIC S7-200, DIGITAL OUTPUT EM 222, OPTICALLY ISOLATED 8DQ, 120/230V AC, 0.5A

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Supply voltage	
Load voltage L1	
Rated value (AC)	230 V ; 220/230 V AC
permissible range, lower limit (AC)	65 V
permissible range, upper limit (AC)	264 V
permissible frequency range, lower limit	47 Hz
permissible frequency range, upper limit	63 Hz
Input current	
from backplane bus 5 V DC, max.	110 mA
Power losses	
Power loss, typ.	4 W
Digital outputs	
Number/binary outputs	8
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 voltage	
for signal "1", min.	L1 (-0.9 V)

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Output current	
for signal "1" permissible range for 0 to 40 °C, max.	500 mA ; AC
for signal "1" permissible range for 0 to 55 °C, max.	500 mA ; AC
for signal "1" minimum load current	50 mA
for signal "0" residual current, max.	1.8 mA ; at 264 V AC
Aggregate current of outputs (per group)	
all mounting positions	
up to 40 °C, max.	0.5 A
maximum current per conductor/group	0.5 A
horizontal installation	
up to 55 °C, max.	0.5 A
Relay outputs	
Switching capacity of contacts	
with inductive load, max.	0.5 A
on lamp load, max.	60 W
Switching frequency/contacts/at ohmic load/maximum	0.5 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 ; Optocoupler
between the channels, in groups of	1 ; 8 groups
Connection method	
Plug-in I/O terminals	Yes
Dimensions	
Width	71.2 mm
Height	80 mm
Depth	62 mm
Weight	
Weight, approx.	170 g
Status	Feb 25, 2013

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