



SIMATIC S7-200, DIGITAL OUTPUT EM 222, FOR S7-22X CPU ONLY, 8DQ, 24 V DC,

Figure similar

### 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.	50 mA
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### Power losses

Power loss, typ.	2 W
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### Digital outputs

Number of digital outputs	8
short-circuit protection	No
Limitation of inductive shutdown voltage to	L+ (-48 V)

#### Output voltage

• for signal "1", min.	20 V
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#### Output current

• for signal "1" permissible range for 0 to 40 °C, max.	750 mA
• for signal "1" permissible range for 0 to 55 °C, max.	750 mA
• for signal "0" residual current, max.	10 µA

#### Parallel switching of 2 outputs

• for increased power	Yes
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#### Aggregate current of outputs (per group)

<b>all mounting positions</b>	
— up to 40 °C, max.	3 A
— Current per conductor/group, max.	3 A
<b>horizontal installation</b>	
— up to 55 °C, max.	3 A
<b>Relay outputs</b>	
<b>Switching capacity of contacts</b>	
— with inductive load, max.	0.75 A
— on lamp load, max.	5 W
— with resistive load, max.	0.75 A
<b>Cable length</b>	
• shielded, max.	500 m
• Unshielded, max.	150 m
<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• Potential separation digital outputs	Yes; Optocoupler
• between the channels, in groups of	4
<b>Connection method</b>	
Plug-in I/O terminals	Yes
<b>Dimensions</b>	
Width	45 mm
Height	80 mm
Depth	62 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	23.04.2015