

SIMATIC S7-200, Digital output EM 222, only for S7-22X CPU, 4 DO (relay); 10A, 5-30 V DC or 5-250 V 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; 24V AC to 230V 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
Short-circuit protection	No
Limitation of inductive shutdown voltage to	to be provided externally (see manual package "Setting up an S7-200")
<b>Output current</b>	
• 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
<b>Total current of the outputs (per group)</b>	
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
<b>Relay outputs</b>	
• Number of operating cycles, max.	30 000 000; mechanically 30 million, at rated load voltage 30,000
<b>Switching capacity of contacts</b>	
— with inductive load, max.	3 A; 2 A (DC), 3 A (AC)
— on lamp load, max.	1 000 W; 100/1 000 W (DC/AC)
— with resistive load, max.	10 A
<b>Cable length</b>	
• shielded, max.	500 m
• unshielded, max.	150 m
<b>Potential separation</b>	
Potential separation digital outputs	
• Potential separation digital outputs	Yes; Relays
• between the channels, in groups of	1; 4 groups
<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>	06/08/2019