

\*\*\*Spare part\*\*\* SIMATIC S7-200, Digital output EM 222, only for S7-22X CPU, 8 DA (relay outputs), 2A



Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	5 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)	5 V
• permissible range, upper limit (AC)	250 V
• permissible frequency range, lower limit	47 Hz
• permissible frequency range, upper limit	63 Hz
Input current	
from backplane bus 5 V DC, max.	40 mA
Digital outputs	
• from load voltage L+, max.	72 mA; 9 mA per switched output
Power loss	

Power loss, typ.	2 W
<b>Digital outputs</b>	
Number of digital outputs	8; 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	2 A
• for signal "1" permissible range for 0 to 55 °C, max.	2 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.	8 A
— Current per conductor/group, max.	8 A
horizontal installation	
— up to 55 °C, max.	8 A
<b>Relay outputs</b>	
• Number of operating cycles, max.	10 000 000; mechanically 10 million, at rated load voltage 100 000
<b>Switching capacity of contacts</b>	
— with inductive load, max.	2 A
— on lamp load, max.	200 W; 30 W with DC, 200 W with AC
— with resistive load, max.	2 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	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.	170 g
<b>last modified:</b>	07/13/2018