

Spare part SIMATIC S7-200, Digital output EM 222, only for S7-22X CPU, 8 DO, 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
Power loss	
Power loss, typ.	2 W
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
Output current	

<ul style="list-style-type: none"> • for signal "1" rated value 	0.75 A
<ul style="list-style-type: none"> • for signal "1" permissible range for 0 to 55 °C, max. 	750 mA
<ul style="list-style-type: none"> • for signal "0" residual current, max. 	10 µA
Parallel switching of two outputs	
<ul style="list-style-type: none"> • for uprating 	Yes
Total current of the outputs (per group)	
all mounting positions	
— up to 40 °C, max.	3 A
— Current per conductor/group, max.	3 A
horizontal installation	
— up to 55 °C, max.	3 A
Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	0.75 A
— on lamp load, max.	5 W
— with resistive load, max.	0.75 A
Cable length	
<ul style="list-style-type: none"> • shielded, max. 	500 m
<ul style="list-style-type: none"> • unshielded, max. 	150 m
Potential separation	
Potential separation digital outputs	
<ul style="list-style-type: none"> • Potential separation digital outputs 	Yes; Optocoupler
<ul style="list-style-type: none"> • between the channels, in groups of 	4
Isolation	
Isolation tested with	500 V AC
Connection method	
Plug-in I/O terminals	Yes
Dimensions	
Width	45 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	150 g
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