



Figure similar

\*\*\* spare part \*\*\* SIMATIC S7-200, digital output EM 222, isolated 8 DQ, 120/230 V AC, 0.5 A

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 loss	
Power loss, typ.	4 W
Digital outputs	
Number of digital outputs	8
Short-circuit protection	No
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)
Output current	
• for signal "1" rated value	0.5 A
• 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
Total current of the outputs (per group)	
all mounting positions	
— up to 40 °C, max.	0.5 A
— Current per conductor/group, max.	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
— with resistive load, max.	0.5 A
Cable length	
• shielded, max.	500 m
• unshielded, max.	150 m
Potential separation	
Potential separation digital outputs	

- Potential separation digital outputs
- between the channels, in groups of

Yes; Optocoupler  
1; 8 groups

#### connection method / header

Plug-in I/O terminals Yes

#### Dimensions

Width 71.2 mm

Height 80 mm

Depth 62 mm

#### Weights

Weight, approx. 170 g

**last modified:** 8/11/2021 