



Figure similar

Spare part SIMATIC S7-200, Digital output EM 222, only for S7-22X CPU, 8 DO, 24 V DC

Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> permissible range, lower limit (DC) 	20.4 V
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> — up to 40 °C, max. 	3 A
<ul style="list-style-type: none"> — Current per conductor/group, max. 	3 A
horizontal installation	
<ul style="list-style-type: none"> — up to 55 °C, max. 	3 A
Relay outputs	
Switching capacity of contacts	
<ul style="list-style-type: none"> — with inductive load, max. 	0.75 A
<ul style="list-style-type: none"> — on lamp load, max. 	5 W
<ul style="list-style-type: none"> — 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

- between the channels, in groups of

4

Isolation

Isolation tested with 500 V AC

connection method / header

Plug-in I/O terminals Yes

Dimensions

Width 45 mm

Height 80 mm

Depth 62 mm

Weights

Weight, approx. 150 g

last modified: 3/12/2021 