SIEMENS

Data sheet

6ES7222-1BF32-0XB0



SIMATIC S7-1200, Digital output SM 1222, 8 DO, 24 V DC, transistor 0.5 A

Product type designation	SM 1222, DQ 8x24 V DC/0.5 A	
upply voltage	OW 1222, DQ 0X24 V DO/0.5 A	
	00.41/	
permissible range, lower limit (DC)	20.4 V	
permissible range, upper limit (DC)	28.8 V	
put current		
from backplane bus 5 V DC, max.	120 mA	
ower loss		
Power loss, typ.	1.5 W	
igital outputs		
Number of digital outputs	8	
• in groups of	1	
Short-circuit protection	No; to be provided externally	
Limitation of inductive shutdown voltage to	typ. (L+) -48 V	
Switching capacity of the outputs		
with resistive load, max.	0.5 A	
on lamp load, max.	5 W	
Output voltage		
Rated value (DC)	24 V	
● for signal "0", max.	0.1 V; with 10 kOhm load	
● for signal "1", min.	20 V DC	
Output current		
for signal "1" rated value	0.5 A	
for signal "0" residual current, max.	10 μΑ	
Output delay with resistive load		
• "0" to "1", max.	50 μs	
• "1" to "0", max.	200 μs	
Total current of the outputs (per group)		
horizontal installation		
— up to 50 °C, max.	4 A; Current per mass	
Relay outputs		
Switching capacity of contacts		
— with inductive load, max.	0.5 A	
— on lamp load, max.	5 W	
— with resistive load, max.	0.5 A	
Cable length		
shielded, max.	500 m	
unshielded, max.	150 m	
nterrupts/diagnostics/status information		
Alarms		
Diagnostic alarm	Yes	

• for status of the outputs • bot status of the outputs • between the channels, in groups of between the channels and backplane bus Degree and class of protection IP degree of protection IP d	Diagnostics indication LED			
Potential separation Potential separation digital outputs		Yes		
Potential separation digital outputs • between the channels, in groups of between the channels and backplane bus 500 V AC Degree and class of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval U. approval Ves CNA approval Ves ROM (formerly C-TICK) Yes ROM (formerly C-TICK) Yes ROM (formerly C-TICK) Yes Ambient conditions Free fall • Fall height, max. Annicontal installation, min. • min. • max. • horizontal installation, min. • vertical installation, max. • vertical installation, max. • vertical installation, max. • permissible temperature change Annicontermore according to the conditions Free fall • Fall height, max. Annicontermore according to the conditions Free fall • Fall height, max. Annicontermore according to the conditions Free fall • Fall height, max. Annicontermore according to the conditions Free fall • Fall height, max. Annicontermore according to the condition of the condition	·	1.00		
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RCM (formerly C-TICK)	cULus	Yes		
KC approval Marine approval Ambient conditions Free fall Free fall Final Pall height, max. Ambient temperature during operation inin. max. 60 °C horizontal installation, min. horizontal installation, min. vertical installation, min. permissible temperature change Ambient temperature during storage/transportation min. min. permissible temperature change Ambient temperature during storage/transportation min. min. min. min. min. min. min. min	FM approval	Yes		
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Weights	-			
		75 mm		
Weight, approx. 180 g	Weights			
	Weight, approx.	180 g		