



Figure similar

SIMATIC S7-1200, Digital output SB 1222, 4 DQ, 24 V DC 200 kHz

General information	
Product type designation	SB 1222, DQ 4x24 V DC 200 kHz
Input current	
from backplane bus 5 V DC, typ.	35 mA
Power loss	
Power loss, typ.	0.5 W
Digital outputs	
Number of digital outputs	4; MOSFET, solid-state (current-sinking/current-sourcing)
• in groups of	4
Short-circuit protection	No
Switching capacity of the outputs	
• with resistive load, max.	0.1 A
Load resistance range	
• upper limit	11 Ω
Output voltage	
• Rated value (DC)	24 V
• for signal "0", max.	1 V; with 10 kOhm load
• for signal "1", min.	L+ (-1.5 V)
Output current	
• for signal "1" rated value	0.1 A
• for signal "1" permissible range, max.	0.1 A
Cable length	
• shielded, max.	50 m
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• for status of the outputs	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Marine approval	Yes
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	

• min. • max. • horizontal installation, min. • horizontal installation, max. • vertical installation, min. • vertical installation, max.	-20 °C 60 °C -20 °C 60 °C -20 °C 50 °C		
Ambient temperature during storage/transportation			
• min. • max.	-40 °C 70 °C		
Air pressure acc. to IEC 60068-2-13			
• Storage/transport, min. • Storage/transport, max.	660 hPa 1 080 hPa		
Relative humidity			
• Operation at 25 °C without condensation, max.	95 %		
Mechanics/material			
Enclosure material (front) • Plastic	Yes		
Dimensions			
Width	38 mm		
Height	62 mm		
Depth	21 mm		
Weights			
Weight, approx.	35 g		
Classifications			
		Version	Classification
	eClass	14	27-24-22-04
	eClass	12	27-24-22-04
	eClass	9.1	27-24-22-04
	eClass	9	27-24-22-04
	eClass	8	27-24-22-04
	eClass	7.1	27-24-22-04
	eClass	6	27-24-22-04
	ETIM	10	EC001419
	ETIM	9	EC001419
	ETIM	8	EC001419
	ETIM	7	EC001419
	IDEA	4	3566
	UNSPSC	15	32-15-17-05

Approvals / Certificates
General Product Approval



[Manufacturer Declaration](#)



[KC](#)



For use in hazardous locations



[CCC-Ex](#)

[FM](#)



[Miscellaneous](#)

Maritime application



[NK / Nippon Kaiji Kyokai](#)



Maritime application

Environment



[CCS \(China Classification Society\)](#)



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