



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



last modified:

3/12/2024