

Data sheet

6ES7222-1AD30-0XB0



Figure similar

SIMATIC S7-1200, Digital output SB 1222, 4 DQ, 5V DC 200kHz

General information		
Product type designation		SB 1222, DQ 4x5 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
Output voltage		
• Rated value (DC)		5 V
• for signal "0", max.		0.2 V
• for signal "1", min.		L+ minus 0.7 V DC
• for signal "1", max.		6 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		

<ul style="list-style-type: none">• min.• max.• horizontal installation, min.• horizontal installation, max.• vertical installation, min.• vertical installation, max.	<div>-20 °C</div> <div>60 °C</div> <div>-20 °C</div> <div>60 °C</div> <div>-20 °C</div> <div>50 °C</div>		
Ambient temperature during storage/transportation			
<ul style="list-style-type: none">• min.• max.	<div>-40 °C</div> <div>70 °C</div>		
Air pressure acc. to IEC 60068-2-13			
<ul style="list-style-type: none">• Storage/transport, min.• Storage/transport, max.	<div>660 hPa</div> <div>1 080 hPa</div>		
Relative humidity			
<ul style="list-style-type: none">• Operation at 25 °C without condensation, max.	<div>95 %</div>		
Mechanics/material			
Enclosure material (front)			
<ul style="list-style-type: none">• Plastic	Yes		
Dimensions			
Width		38 mm	
Height		62 mm	
Depth		21 mm	
Weights			
Weight, approx.		35 g	
Classifications			
		Version	Classification
	eClass	16	27-24-22-04
	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			
		Miscellaneous	Manufacturer Declaration
			
General Product Approval		EMV	For use in hazardous locations
	Manufacturer Declaration	China RoHS	
			
			
For use in hazardous locations		Maritime application	

[FM](#)



[Miscellaneous](#)

[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Ky-
okai](#)



[CCS \(China Classifica-
tion Society\)](#)

[KR \(Korean Register
of Shipping\)](#)

last modified:

7/2/2025 