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Data sheet 6ES7222-1BD30-0XB0

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



Figure similar

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

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Ambient temperature during operation	
● min.	-20 °C
● max.	60 °C
● horizontal installation, min.	-20 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	-20 °C
● vertical installation, max.	50 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Air pressure acc. to IEC 60068-2-13	
● Storage/transport, min.	660 hPa
● Storage/transport, max.	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	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

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FM

UL

Miscellaneous

CCC-Ex

ABS

BUREAU VERITAS

Maritime application

DNV

NK / Nippon Kaiji Kyokai

PRS

RINA

RMRS

CCS (China Classification Society)

Maritime application

KR (Korean Register of Shipping)

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