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Data sheet 6ES7222-1AD30-0XB0

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



Figure similar

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	

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● 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	
EAC	Manufacturer Declaration	China RoHS	RCM	ATEX IECEx

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 | CCS (China Classification Society) | KR (Korean Register of Shipping)

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