

# SIEMENS

## Product data sheet

**6ES7222-1AD30-0XB0**


SIMATIC S7-1200,  
DIGITAL OUTPUT SB 1222, 4DO, 5VDC 200KHZ

<b>Input current</b>	
from backplane bus 5 V DC, typ.	50 mA
<b>Output voltage</b>	
<b>Power supply to the transmitters</b>	
Supply current, max.	4 mA ; per channel
<b>Power losses</b>	
Power loss, typ.	1 W
<b>Digital outputs</b>	
Number/binary outputs	4 ; MOSFET, solid-state (current-sinking/current-sourcing)
In groups of	1
Functionality/short-circuit strength	No
<b>Switching capacity of the outputs</b>	
with resistive load, max.	0.1 A
<b>Load resistance range</b>	
upper limit	5 $\Omega$

<b>Output voltage</b>	
Rated value (DC)	5 V
for signal "0", max.	0.4 V
for signal "1", min.	L+ (-0.5 V)
for signal "1", max.	6 V
<b>Output current</b>	
for signal "1" rated value	0.1 A
for signal "1" permissible range, max.	0.11 A
<b>Cable length</b>	
Cable length, shielded, max.	50 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Alarms	Yes
<b>Diagnostic messages</b>	
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
For status of the outputs	Yes
<b>Degree and class of protection</b>	
IP20	Yes
<b>Standards, approvals, certificates</b>	
Marine approval according to Germanischer Lloyd	Yes
<b>Climatic and mechanical conditions for storage and transport</b>	
<b>Climatic conditions for storage and transport</b>	
<b>Free fall</b>	
Drop height, max. (in packaging)	0.3 m ; five times, in dispatch package
<b>Temperature</b>	
Permissible temperature range	-40 °C to +70 °C
<b>Air pressure acc. to IEC 60068-2-13</b>	
Permissible air pressure	1080 to 660 hPa
<b>Mechanical and climatic conditions during operation</b>	
<b>Climatic conditions in operation</b>	
<b>Temperature</b>	
Permissible temperature range	0 °C to 55 °C horizontal installation 0 °C to 45 °C vertical installation

Mechanics/material	
Type of housing (front)	
Plastic	Yes
Dimensions	
Width	38 mm
Height	62 mm
Depth	21 mm
Weight	
Weight, approx.	40 g
Status	Jul 17, 2012