



SIMATIC S7-1200,
DIGITAL OUTPUT SB 1222, 4DQ,
24VDC 200KHZ

Input current	
from backplane bus 5 V DC, typ.	50 mA
Output voltage	
Power supply to the transmitters	
Supply current, max.	4 mA ; per channel
Power losses	
Power loss, typ.	1 W
Digital outputs	
Number of digital outputs	4 ; MOSFET, solid-state (current-sinking/current-sourcing)
In groups of	1
Product function / at the digital outputs / short-circuit protection	No
Switching capacity of the outputs	
with resistive load, max.	0.1 A
Load resistance range	
upper limit	10 Ω
Output voltage	
Rated value (DC)	24 V
for signal "0", max.	0.1 V ; with 10 kOhm load

for signal "1", min.	20 V
Output current	
for signal "1" rated value	0.1 A
for signal "0" residual current, max.	10 µA
Cable length	
Cable length, shielded, max.	50 m
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostics indication LED	
For status of the outputs	Yes
Degree and class of protection	
IP20	Yes
Standards, approvals, certificates	
Marine approval according to Germanischer Lloyd	Yes
Climatic and mechanical conditions for storage and transport	
Climatic conditions for storage and transport	
Free fall	
Drop height, max. (in packaging)	0.3 m ; five times, in dispatch package
Temperature	
Permissible temperature range	-40 °C to +70 °C
Air pressure acc. to IEC 60068-2-13	
Permissible air pressure	1080 to 660 hPa
Relative humidity	
Permissible range (without condensation) at 25 °C	95 %
Mechanical and climatic conditions during operation	
Climatic conditions in operation	
Temperature	
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

Weights

Weight, approx.	40 g
Status	Oct 28, 2013