

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



Figure similar

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	7 $\Omega$
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	

<ul style="list-style-type: none"> <li>• for signal "1" rated value</li> </ul>	0.1 A
<ul style="list-style-type: none"> <li>• for signal "1" permissible range, max.</li> </ul>	0.1 A
<b>Cable length</b>	
<ul style="list-style-type: none"> <li>• shielded, max.</li> </ul>	50 m
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
<ul style="list-style-type: none"> <li>• for status of the outputs</li> </ul>	Yes
<b>Degree and class of protection</b>	
<b>Degree of protection acc. to EN 60529</b>	
<ul style="list-style-type: none"> <li>• IP20</li> </ul>	Yes
<b>Ambient conditions</b>	
<b>Free fall</b>	
<ul style="list-style-type: none"> <li>• Fall height, max.</li> </ul>	0.3 m; five times, in product package
<b>Ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• permissible temperature range</li> </ul>	-20 °C to +60 °C horizontal mounting, -20 °C to 50 °C vertical mounting with 2 simultaneously activated, non-adjacent inputs; otherwise up to 55 °C with horizontal mounting or 45 °C with vertical mounting
<ul style="list-style-type: none"> <li>• min.</li> </ul>	-20 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	60 °C
<b>Ambient temperature during storage/transportation</b>	
<ul style="list-style-type: none"> <li>• min.</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	70 °C
<b>Air pressure acc. to IEC 60068-2-13</b>	
<ul style="list-style-type: none"> <li>• Storage/transport, min.</li> </ul>	660 hPa
<ul style="list-style-type: none"> <li>• Storage/transport, max.</li> </ul>	1 080 hPa
<b>Relative humidity</b>	
<ul style="list-style-type: none"> <li>• permissible range (without condensation) at 25 °C</li> </ul>	95 %
<b>Mechanics/material</b>	
<b>Enclosure material (front)</b>	
<ul style="list-style-type: none"> <li>• Plastic</li> </ul>	Yes
<b>Dimensions</b>	
Width	38 mm
Height	62 mm
Depth	21 mm
<b>Weights</b>	
Weight, approx.	35 g
<b>last modified:</b>	05.02.2016