

SIMATIC S7-1200, DIGITAL INPUT SB 1221, 4DI, 5VDC 200KHZ, SOURCE



Figure similar

<b>Input current</b>	
from backplane bus 5 V DC, typ.	40 mA
<b>Power loss</b>	
Power loss, typ.	1 W
<b>Digital inputs</b>	
Number of digital inputs	4; Current-sourcing
• in groups of	4
<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	5 V
• for signal "0"	L+ minus 1.0 VDC to L+ (2.2 to 0 mA)
• for signal "1"	0V to L+ minus 2.0 VDC (20 to 5.1 mA)
<b>Input current</b>	
• for signal "0", max. (permissible quiescent current)	2.2 mA
• for signal "1", min.	5.1 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	

— parameterizable	Yes; 0.1 / 0.2 / 0.4 / 0.8 / 1.6 / 3.2 / 6.4 / 10.0 / 12.8 / 20.0 $\mu$ s; 0.05 / 0.1 / 0.2 / 0.4 / 0.8 / 1.6 / 3.2 / 6.4 / 10.0 / 12.8 / 20.0 ms
<b>for interrupt inputs</b>	
— parameterizable	Yes
<b>for counter/technological functions</b>	
— parameterizable	Yes
<b>Cable length</b>	
• shielded, max.	50 m; shielded, twisted pair
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
• for status of the inputs	Yes
<b>Degree and class of protection</b>	
Degree of protection acc. to EN 60529	
• IP20	Yes
<b>Ambient conditions</b>	
<b>Free fall</b>	
• Fall height, max.	0.3 m; five times, in product package
<b>Ambient temperature during operation</b>	
• permissible temperature range	-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
• min.	-20 °C
• max.	60 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-40 °C
• max.	70 °C
<b>Air pressure acc. to IEC 60068-2-13</b>	
• Storage/transport, min.	660 hPa
• Storage/transport, max.	1 080 hPa
<b>Relative humidity</b>	
• permissible range (without condensation) at 25 °C	95 %
<b>Mechanics/material</b>	
<b>Enclosure material (front)</b>	
• Plastic	Yes
<b>Dimensions</b>	
Width	38 mm
Height	62 mm
Depth	21 mm
<b>Weights</b>	

---

Weight, approx.

35 g

**last modified:**

05.02.2016