

SIMATIC S7-200, Digital input EM 221, Isolated 8 DI, 120/230 V AC



Input current	
from backplane bus 5 V DC, max.	30 mA
Power loss	
Power loss, typ.	3 W
Digital inputs	
Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
<ul style="list-style-type: none"> <li>Type of input voltage</li> <li>Rated value (AC)</li> <li>for signal "0"</li> <li>for signal "1"</li> </ul>	AC 230 V; 220/230 V AC (47 Hz to 63 Hz) up to 20 V AC 79V AC or more
Input current	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	2.5 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	15 ms

Cable length	
• shielded, max.	500 m
• unshielded, max.	300 m

Encoder	
Connectable encoders	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1 mA

Potential separation	
Potential separation digital inputs	
• Potential separation digital inputs	Yes; Optocoupler
• between the channels, in groups of	1; 8 groups

Connection method	
Plug-in I/O terminals	Yes

Dimensions	
Width	71.2 mm
Height	80 mm
Depth	62 mm

Weights	
Weight, approx.	160 g
<b>last modified:</b>	08/16/2019