



Figure similar

\*\*\*Spare part\*\*\* SIMATIC S7-200, Digital input EM 221, only for S7-22X CPU, 8 DI, 24 V DC, sinking-sourcing

Input current	
from backplane bus 5 V DC, max.	30 mA
Power loss	
Power loss, typ.	2 W
Digital inputs	
Number of digital inputs	8
Source/sink input	Yes
Input voltage	
<ul style="list-style-type: none"> <li>Type of input voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>for signal "0"</li> </ul>	0 to 5 V
<ul style="list-style-type: none"> <li>for signal "1"</li> </ul>	+15 to +30 V
Input current	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	4 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	4.5 ms
Cable length	
<ul style="list-style-type: none"> <li>shielded, max.</li> </ul>	500 m
<ul style="list-style-type: none"> <li>unshielded, max.</li> </ul>	300 m
Encoder	
Connectable encoders	
<ul style="list-style-type: none"> <li>2-wire sensor</li> </ul>	Yes
— permissible quiescent current (2-wire sensor), max.	1 mA
Potential separation	
Potential separation digital inputs	
<ul style="list-style-type: none"> <li>Potential separation digital inputs</li> </ul>	Yes; Optocoupler
<ul style="list-style-type: none"> <li>between the channels, in groups of</li> </ul>	4
connection method / header	
Plug-in I/O terminals	Yes
Dimensions	
Width	46 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	150 g
<b>last modified:</b>	3/12/2021

