

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



Figure similar

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	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	0 to 5 V
• for signal "1"	+15 to +30 V
Input current	
• for signal "1", typ.	4 mA
Input delay (for rated value of input voltage)	
for standard inputs	

— at "0" to "1", max.	4.5 ms
<b>Cable length</b>	
• shielded, max.	500 m
• unshielded, max.	300 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1 mA
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• Potential separation digital inputs	Yes; Optocoupler
• between the channels, in groups of	4
<b>Connection method</b>	
Plug-in I/O terminals	Yes
<b>Dimensions</b>	
Width	46 mm
Height	80 mm
Depth	62 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	09/03/2020