

Spare part SIMATIC S7-200, Digital input EM 221, only for S7-22X CPU, 16 DI, 24 V DC, sinking-sourcing



Figure similar

Input current	
from backplane bus 5 V DC, max.	70 mA
Power loss	
Power loss, typ.	3 W
Digital inputs	
Number of digital inputs	16
Source/sink input	Yes
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
<ul style="list-style-type: none"> Type of input voltage 	DC
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> for signal "0" 	0 to 5 V
<ul style="list-style-type: none"> for signal "1" 	+15 to +30V
Input current	
<ul style="list-style-type: none"> 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
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	4
Isolation	
Isolation tested with	500V AC for 1 minute
Connection method	
Plug-in I/O terminals	Yes
Dimensions	
Width	71.2 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	160 g
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