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Data sheet 6ES7221-1BH22-0XA0

SIMATIC S7-200, DIGITAL INPUT EM 221, FOR S7-22X CPU ONLY, 16DI, 24V DC, SINK/SOURCE INPUT



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
m/p-reading	Yes
Input characteristic curve in accordance with IEC 61131, type 1	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 +30V
Input current	
• for signal "1", typ.	4 mA
Input delay (for rated value of input voltage)	
for standard inputs	

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— 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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