



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	
- Type of input voltage - Rated value (AC) - for signal "0" - for signal "1"	AC 230 V; 220/230 V AC (47 Hz to 63 Hz) up to 20 V AC 79V AC or more
Input current	
for signal "1", typ.	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. - unshielded, max.	500 m 300 m
Encoder	
Connectable encoders	
2-wire sensor — permissible quiescent current (2-wire sensor), max.	Yes 1 mA
Potential separation	
Potential separation digital inputs	
- Potential separation digital inputs - between the channels, in groups of	Yes; Optocoupler 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

last modified:

3/12/2021 