SIEMENS

Data sheet 6ES7221-1EF22-0XA0



*** spare part *** 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	AC		
● Rated value (AC)	230 V; 220/230 V AC (47 Hz to 63 Hz)		
● for signal "0"	up to 20 V AC		
● for signal "1"	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.	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	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		
Classifications			
		Version	**Classification**

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eClass	16	27-24-22-04
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Manufacturer Declaration | Miscellaneous | CE EG-Konf. | EAC | China RoHS | Manufacturer Declaration

For use in hazardous locations

FM

Maritime application

Bureau Veritas | GL | Lloyd's Register LRS | RMRS | CCS (China Classification Society)

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