



*** 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
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	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	For use in hazardous locations	Maritime application
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[Manufacturer Declaration](#)


EG-Konf.

[Miscellaneous](#)

[EM](#)




GL

Maritime application


LRS


RMRS

[CCS \(China Classification Society\)](#)

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