



Figure similar

Spare part SIMATIC S7-200, Digital input EM 221, only for S7-22X CPU, 8 DI, 24 V DC, sinking-sourcing

Input current		
from backplane bus 5 V DC, max.	30 mA	
Power loss		
Power loss, typ.	2 W	
Digital inputs		
Number of digital inputs	8	
Source/sink input	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 +30 V	
Input current		
• 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	
connection method		
Plug-in I/O terminals	Yes	
Dimensions		
Width	46 mm	
Height	80 mm	
Depth	62 mm	
Weights		
Weight, approx.	150 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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[Miscellaneous](#)

[Manufacturer Declaration](#)



[EM](#)



Maritime application



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

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