

SIMATIC S7-200, DIGITAL INPUT EM 221, FOR S7-22X CPU ONLY, 8 DI, 24V DC, SINK/SOURCE INPUT



Figure similar

| 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           |
| m/p-reading   | Yes         |
| Input voltage   |             |
| <ul style="list-style-type: none"> <li>Type of input voltage</li> </ul> | DC          |
| <ul style="list-style-type: none"> <li>for signal "0"</li> </ul>        | 0 to 5 V    |
| <ul style="list-style-type: none"> <li>for signal "1"</li> </ul>        | +15 to +30V |
| Input current   |             |
| <ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>  | 4 mA        |
| Input delay (for rated value of input voltage)                          |             |
| for standard inputs   |             |
| — at "0" to "1", max.   | 4.5 ms      |
| Cable length  |             |
| <ul style="list-style-type: none"> <li>shielded, max.</li> </ul>        | 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

**last modified:** 31.07.2015