



element14

EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

[6ES7221-3AD30-0XB0](#)

EN

This Datasheet is presented by
the manufacturer

DE

Dieses Datenblatt wird vom
Hersteller bereitgestellt

FR

Cette fiche technique est
présentée par le fabricant

SIMATIC S7-1200, DIGITAL INPUT SB 1221, 4DI, 5VDC 200KHZ, SOURCE



Figure similar

| Input current | |
|---|---------------------|
| from backplane bus 5 V DC, typ. | 50 mA |
| Output voltage | |
| Power supply to the transmitters | |
| • Supply current, max. | 4 mA; per channel |
| Power loss | |
| Power loss, typ. | 1 W |
| Digital inputs | |
| Number of digital inputs | 4; Current-sourcing |
| • in groups of | 1 |
| Input characteristic curve in accordance with IEC 61131, type 1 | Yes |
| Number of simultaneously controllable inputs | |
| all mounting positions | |
| — up to 40 °C, max. | 4 |
| Input voltage | |
| • Type of input voltage | DC |
| • Rated value (DC) | 5 V |

| | |
|--|---|
| • for signal "0" | 0 to 1 V |
| • for signal "1" | 2 to 6 V |
| Input current | |
| • for signal "0", max. (permissible quiescent current) | 3 mA |
| • for signal "1", min. | 6 mA |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| — parameterizable | Yes; 0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in groups of four |
| — at "0" to "1", max. | 2 µs |
| for interrupt inputs | |
| — parameterizable | Yes |
| for counter/technological functions | |
| — parameterizable | Yes |
| Cable length | |
| • shielded, max. | 50 m; shielded, twisted pair |
| Digital outputs | |
| Number of digital outputs | 0 |
| Short-circuit protection | No |
| Interrupts/diagnostics/status information | |
| Alarms | Yes |
| Diagnostic functions | Yes |
| Diagnostics indication LED | |
| • for status of the inputs | Yes |
| Degree and class of protection | |
| Degree of protection acc. to EN 60529 | |
| • IP20 | Yes |
| Ambient conditions | |
| Free fall | |
| • Fall height, max. | 0.3 m; five times, in dispatch package |
| Ambient temperature during operation | |
| • permissible temperature range | -20 °C to +60 °C horizontal mounting, -20 °C to 50 °C vertical mounting, 95% humidity, non-condensing |
| • min. | -20 °C |
| • max. | 60 °C |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Air pressure acc. to IEC 60068-2-13 | |
| • Storage/transport, min. | 660 hPa |

• Storage/transport, max. 1 080 hPa

Relative humidity

• permissible range (without condensation) at 25 °C 95 %

Mechanics/material

Enclosure material (front)

• Plastic Yes

Dimensions

Width 38 mm

Height 62 mm

Depth 21 mm

Weights

Weight, approx. 40 g

last modified: 22.01.2016



element14

EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

[6ES7221-3AD30-0XB0](#)

EN

This Datasheet is presented by
the manufacturer

DE

Dieses Datenblatt wird vom
Hersteller bereitgestellt

FR

Cette fiche technique est
présentée par le fabricant