MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

## 6ES7132-7RD20-0AB0

**FOUR-CHANNEL INTRINSIC-SAFE DIGITAL OUTPUT**

Used with the applicable SIMATIC ET 200iSP Digital Outputs configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES7132-7RD20-0AB0 manufacturer specification, applicable pages 1, 2.

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## Data sheet 6ES7132-7RD20-0AB0

SIMATIC DP, ELECT. SUBMODULE FOR ET 200ISP, 4 DO, DC 17,4V/40MA



| | |
|---|---|
| **Input current** | |
| from load voltage L+ (without load), max. | 400 mA |
| **Power loss** | |
| Power loss, typ. | 2.8 W |
| **Digital outputs** | |
| Number of digital outputs | 4 |
| No-load voltage Uao (DC) | 17.4 V |
| Internal resistor Ri | 150 Ω |
| Trend key points E | |
| • Voltage Ue (DC) | 11 V |
| • Current Ie | 40 mA; 80 mA when outputs connected in parallel |
| Output delay with resistive load | |
| • "0" to "1", max. | 2 ms |
| • "1" to "0", max. | 1.5 ms |
| Parallel switching of two outputs | |
| • for uprating | Yes |
| Switching frequency | |
| • with resistive load, max. | 100 Hz |


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| | |
|---|---|
| • with inductive load, max. | 2 Hz |
| **Cable length** | |
| • shielded, max. | 200 m |
| • unshielded, max. | 200 m |
| **Interrupts/diagnostics/status information** | |
| Alarms | No |
| **Alarms** | |
| • Diagnostic alarm | Yes; Parameterizable |
| **Diagnostic messages** | |
| • Diagnostic information readable | Yes |
| • Wire-break | Yes; R > 10 kohms, I < 100 µA |
| • Short-circuit | Yes; R< 800 ohms (one output), R< 40 ohms (outputs connected in parallel) |
| **Diagnostics indication LED** | |
| • Group error SF (red) | Yes |
| • Status indicator digital output (green) | Yes; Per channel |
| **Potential separation** | |
| **Potential separation digital outputs** | |
| • between the channels | No |
| • between the channels and backplane bus | Yes |
| • Between the channels and load voltage L+ | Yes |
| **Permissible potential difference** | |
| between different circuits | 60 V DC/30 V AC |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| **Use in hazardous areas** | |
| • Type of protection acc. to EN 50020 (CENELEC) | II2 G (1) GD EEx ib[ia] IIC T4 |
| • Type of protection acc. to KEMA | 04 ATEX 1249 |
| **Dimensions** | |
| Width | 30 mm |
| Height | 129 mm |
| Depth | 136.5 mm |
| **Weights** | |
| Weight, approx. | 255 g |

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