SIEMENS

## Data sheet 6ES7151-3AA23-0AB0

SIMATIC DP, Interface module IM 151-3 PN ST for ET 200S Transmission rate 100 Mbit/s max. 63 power, electronic or motor starter modules up to 2 m width can be connected; 2x bus connections via RJ45 incl. termination module

| | |
|---|---|
| **General information** | |
| Product type designation | IM 151-3 PN ST |
| **Configuration control** | |
| via dataset | Yes |
| **Supply voltage** | |
| Mains buffering | |
| • Mains/voltage failure stored energy time | 20 ms |
| **Input current** | |
| from supply voltage 1L+, max. | 200 mA |
| **Power loss** | |
| Power loss, typ. | 3.3 W |
| **Address area** | |
| Addressing volume | |
| • Inputs | 256 byte |
| • Outputs | 256 byte |
| **Interfaces** | |


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| | |
|---|---|
| Number of PROFINET interfaces | 1 |
| Supports protocol for PROFINET IO | |
| • Autocrossing | Yes |
| • automatic detection of transmission rate | Yes |
| • Transmission rate, max. | 100 Mbit/s |
| • Number of RJ45 ports | 2 |
| **Protocols** | |
| Supports protocol for PROFINET IO | Yes |
| Protocols (Ethernet) | |
| • TCP/IP | No |
| • SNMP | Yes |
| • LLDP | Yes |
| • ping | Yes |
| • ARP | Yes |
| PROFINET IO Device | |
| Services | |
| — Isochronous mode | No |
| — IRT | Yes |
| — Prioritized startup | Yes |
| — Shared device | Yes |
| — Number of IO Controllers with shared device, max. | 2 |
| Redundancy mode | |
| • MRP | Yes |
| **Interrupts/diagnostics/status information** | |
| Diagnostics indication LED | |
| • Bus fault BF (red) | Yes |
| • Group error SF (red) | Yes |
| • Monitoring 24 V voltage supply ON (green) | Yes |
| • Connection to network LINK (green) | Yes |
| **Potential separation** | |
| between backplane bus and electronics | No |
| between supply voltage and electronics | No |
| between Ethernet and electronics | Yes |
| **Permissible potential difference** | |
| between different circuits | 75 V DC/60 V AC |
| **Isolation** | |
| Isolation tested with | 500 V |
| **Standards, approvals, certificates** | |
| CE mark | Yes |


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| | |
|---|---|
| UL approval | Yes |

| Ambient conditions | |
|---|---|
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 60 °C |

| Dimensions | |
|---|---|
| Width | 60 mm |
| Height | 119.5 mm |
| Depth | 75 mm |

| Weights | |
|---|---|
| Weight, approx. | 150 g |

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