

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                                 |                |

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

### 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

**last modified:** 10/05/2020