

SIMATIC DP, Interface module IM151-1 High Feature f. ET200S;  
Transmission rate to 12 Mbit/s; data volume 244 bytes each for I/O  
max. 63 modules can be connected; isochronous mode Bus  
connection via 9-pin D-sub incl. termination module



Figure similar

| General information                        |             |
|--------------------------------------------|-------------|
| Product type designation                   | IM 151-1 HF |
| Product function                           |             |
| • Isochronous mode                         | 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                                   | 244 byte    |
| • Outputs                                  | 244 byte    |

|                                                       |           |
|-------------------------------------------------------|-----------|
| <b>Interfaces</b>                                     |           |
| Transmission procedure                                | RS 485    |
| <b>PROFIBUS DP</b>                                    |           |
| • Transmission rate, max.                             | 12 Mbit/s |
| • SYNC capability                                     | Yes       |
| • FREEZE capability                                   | Yes       |
| • Direct data exchange (slave-to-slave communication) | Yes       |
| <b>Protocols</b>                                      |           |
| Supports protocol for PROFINET IO                     | No        |
| PROFIBUS DP                                           | Yes       |
| <b>Protocols (Ethernet)</b>                           |           |
| • TCP/IP                                              | No        |
| <b>Interrupts/diagnostics/status information</b>      |           |
| Alarms                                                | Yes       |
| Diagnostics function                                  | Yes       |
| <b>Diagnostics indication LED</b>                     |           |
| • Bus fault BF (red)                                  | Yes       |
| • Group error SF (red)                                | Yes       |
| • Monitoring 24 V voltage supply ON (green)           | Yes       |
| <b>Potential separation</b>                           |           |
| between backplane bus and electronics                 | No        |
| between electronic block and PROFIBUS DP              | Yes       |
| between supply voltage and electronics                | No        |
| <b>Isolation</b>                                      |           |
| Isolation tested with                                 | 500 V DC  |
| <b>Standards, approvals, certificates</b>             |           |
| CE mark                                               | Yes       |
| UL approval                                           | Yes       |
| <b>Ambient conditions</b>                             |           |
| <b>Ambient temperature during operation</b>           |           |
| • min.                                                | 0 °C      |
| • max.                                                | 60 °C     |
| <b>Dimensions</b>                                     |           |
| Width                                                 | 45 mm     |
| Height                                                | 119.5 mm  |
| Depth                                                 | 75 mm     |
| <b>Weights</b>                                        |           |
| Weight, approx.                                       | 150 g     |

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