

SIMATIC DP, Interface module IM 151-1 Standard for ET 200S; incl. termination module Data volume of 244 bytes each for inputs and outputs; max. 63 I/O modules PROFIBUS DP V0 and V1 up to 2 m width can be connected; Bus connection via 9-pin D-sub



| General information | |
|--|-------------|
| Product type designation | IM 151-1 ST |
| Vendor identification (VendorID) | 806Ah |
| Product function | |
| • Isochronous mode | No |
| 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 |
| Interfaces | |

| | |
|---|---|
| Transmission procedure | RS 485 |
| Transmission rate, max. | 12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s |
| PROFIBUS DP | |
| • Output current, max. | 80 mA |
| • SYNC capability | Yes |
| • FREEZE capability | Yes |
| • Direct data exchange (slave-to-slave communication) | Yes |
| • Design of electrical connection | 9-pin sub D socket |
| • Cable length, max. | 1 200 m |
| Protocols | |
| Supports protocol for PROFINET IO | No |
| PROFIBUS DP | Yes |
| Protocols (Ethernet) | |
| • TCP/IP | No |
| Interrupts/diagnostics/status information | |
| Alarms | Yes |
| Diagnostics function | Yes |
| Diagnostics indication LED | |
| • Bus fault BF (red) | Yes |
| • Group error SF (red) | Yes |
| • Monitoring 24 V voltage supply ON (green) | Yes |
| Potential separation | |
| between backplane bus and electronics | No |
| between electronic block and PROFIBUS DP | Yes |
| between supply voltage and electronics | No |
| Isolation | |
| Isolation tested with | 500 V DC |
| Standards, approvals, certificates | |
| CE mark | Yes |
| UL approval | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 60 °C |
| Dimensions | |
| Width | 45 mm |
| Height | 119.5 mm |
| Depth | 75 mm |

Weights

Weight, approx.

150 g

last modified:

05/13/2020