

SIMATIC DP,
 INTERFACE MODULE IM151-1 STANDARD FOR ET200S;
 TRANSMISS. RATE UP TO 12MBIT/S;
 DATA VOLUME 128BYTE FOR EACH INPUT AND
 OUTPUT;
 MAX. OF 63 POWER,
 ELECTR. OR MOTOR STARTER MODULES
 CONNECTABLE;
 BUS INTERFACING VIA 9-WAY SUB-D CONN. INCL.
 TERMINATING MODULE

| | |
|---|---|
| Supply voltage | |
| Mains buffering | |
| Mains buffering, min. | 20 ms |
| Input current | |
| from supply voltage 1L+, max. | 200 mA |
| Output current | |
| Current output to backplane bus (5 V DC), max. | 700 mA |
| Address area | |
| Addressing volume | |
| Inputs | 128 byte |
| Outputs | 128 byte |
| Interfaces | |
| Interface physics, RS 485 | Yes ; 9-pin sub D socket |
| PROFIBUS DP | |
| Transmission rate, max. | 12 Mbit/s ; 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbit/s; 1.5 / 12 Mbit/s ; IM 151 also 3 / 6 Mbit/s |
| SYNC capability | Yes |
| FREEZE capability | Yes |
| Direct data exchange (slave-to-slave communication) | Yes |
| Cable length | |
| Cable length, max. | 1 m |
| Protocols | |
| PROFIBUS DP | 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 |
| Galvanic isolation | |
| between backplane bus and electronics | No |
| between electronic block and PROFIBUS DP | Yes |
| between supply voltage and electronics | No |
| Permissible potential difference | |
| between different circuits | 75 VDC / 60 VAC |
| Isolation | |
| Isolation tested with | 500 V DC |
| Dimensions | |
| Width | 45 mm |
| Height | 119.5 mm |
| Depth | 75 mm |
| Weights | |
| Weight, approx. | 150 g |
| Status | Jul 24, 2014 |