SIEMENS

## Data sheet 6ES7151-1AB05-0AB0



Figure similar

*** spare part *** SIMATIC DP, Interface module IM 151-1 FO for ET 200S; Transmission rate to 12 Mbit/s; Data volume of 244 bytes each for inputs and outputs; max. 63 power, electronic or motor starter modules can be connected; bus connection via integr. FOC incl. termination module

| | |
|---|---|
| **General information** | |
| Product type designation | IM 151-1 FO |
| Vendor identification (VendorID) | 806Bh |
| 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 |
| **Output current** | |
| for backplane bus (5 V DC), max. | 700 mA |
| **Power loss** | |
| Power loss, typ. | 3.3 W |
| **Address area** | |
| Address space per module | |
| ● Inputs | 244 byte |
| ● Outputs | 244 byte |
| **Interfaces** | |
| Optical interface | Yes; 4 x Simplex socket |
| Transmission rate, max. | 12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 12 Mbit/s |
| PROFIBUS DP | |
| ● Cable length, max. | 2 m |
| **Protocols** | |
| Supports protocol for PROFINET IO | No |
| PROFIBUS DP | Yes |
| PROFIBUS DP | |
| Services | |
| — SYNC capability | Yes |
| — FREEZE capability | Yes |
| — Direct data exchange (slave-to-slave communication) | Yes |
| **Interrupts/diagnostics/status information** | |
| Alarms | Yes |
| Diagnostics function | Yes |
| Diagnostics indication LED | |
| ● Bus fault BF (red) | Yes |
| ● Group error SF (red) | Yes |


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| | |
|---|---|
| ● Monitoring 24 V voltage supply ON (green) | Yes |
| **Potential separation** | |
| between backplane bus and electronics | No |
| between supply voltage and electronics | No |
| **Isolation** | |
| Isolation tested with | 57 V DC/60 V AC |
| **Dimensions** | |
| Width | 45 mm |
| Height | 119.5 mm |
| Depth | 75 mm |
| **Weights** | |
| Weight, approx. | 150 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-26-08 |
| eClass | 14 | 27-24-26-08 |
| eClass | 12 | 27-24-26-08 |
| eClass | 9.1 | 27-24-26-08 |
| eClass | 9 | 27-24-26-08 |
| eClass | 8 | 27-24-26-08 |
| eClass | 7.1 | 27-24-26-08 |
| eClass | 6 | 27-24-26-08 |
| ETIM | 10 | EC001604 |
| ETIM | 9 | EC001604 |
| ETIM | 8 | EC001604 |
| ETIM | 7 | EC001604 |
| IDEA | 4 | 3564 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Miscellaneous | Manufacturer Declaration | China RoHS

**EMV**

**For use in hazardous locations**

FM

**Maritime application**

KR (Korean Register of Shipping)

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