



Figure similar

\*\*\* Spare part \*\*\* SIMATIC DP, Interface module IM 151-3 PN HF for ET 200S  
Transmission rate 100 Mbit/s max. 63 I/O 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 HF |
| 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                                        |                |
| Address space per module                            |                |
| • Inputs                                            | 256 byte       |
| • Outputs                                           | 256 byte       |
| Interfaces                                          |                |
| Transmission rate, max.                             | 100 Mbit/s     |
| 1. Interface                                        |                |
| Autonegotiation                                     | Yes            |
| Autocrossing                                        | Yes            |
| Interface types                                     |                |
| • RJ 45 (Ethernet)                                  | Yes            |
| • Number of ports                                   | 2              |
| PROFINET IO Device                                  |                |
| Services                                            |                |
| — IRT                                               | Yes            |
| — PROFINergy                                        | Yes            |
| — Prioritized startup                               | Yes            |
| — Shared device                                     | Yes            |
| — Number of IO Controllers with shared device, max. | 2              |
| Protocols                                           |                |
| Supports protocol for PROFINET IO                   | Yes            |
| Protocols (Ethernet)                                |                |
| • SNMP                                              | Yes            |
| • LLDP                                              | Yes            |
| • ping                                              | Yes            |
| • ARP                                               | Yes            |
| Redundancy mode                                     |                |

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Media redundancy                                 |                           |
| — MRP                                            | Yes                       |
| <b>Interrupts/diagnostics/status information</b> |                           |
| Alarms                                           | Yes                       |
| Diagnostics function                             | Yes                       |
| <b>Diagnostics indication LED</b>                |                           |
| • LINK LED                                       | Yes                       |
| • 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 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>                        |                           |
| <b>Ambient temperature during operation</b>      |                           |
| • min.                                           | 0 °C                      |
| • max.                                           | 60 °C                     |
| <b>Dimensions</b>                                |                           |
| Width                                            | 60 mm                     |
| Height                                           | 119.5 mm                  |
| Depth                                            | 75 mm; with mounting rail |
| <b>Weights</b>                                   |                           |
| Weight, approx.                                  | 150 g                     |
| <b>Classifications</b>                           |                           |

|        | 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](#)



|                          |     |
|--------------------------|-----|
| General Product Approval | EMV |
|--------------------------|-----|



[China RoHS](#)

[Manufacturer Declaration](#)



For use in hazardous locations



[EM](#)



For use in hazardous locations

Maritime application

[Miscellaneous](#)

[CCC-Ex](#)



Maritime application

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[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

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