

SIMATIC DP, INTERFACE MODULE IM151-3 PN HS FOR ET 200S, TRANSMISS. RATE UP TO 100MBIT/S MAX. OF 32 PERIPHERAL MODULES UP TO 2M WIDTH CONNECTABLE; 2 X BUS INTERFACING VIA RJ45 INCL. TERMINATING MODULE



Figure similar

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.	2 W
Address area	
Addressing volume	
• Inputs	256 byte
• Outputs	256 byte
Interfaces	
Number of PROFINET interfaces	1
PROFINET IO	
• Autocrossing	Yes

- automatic detection of transmission rate
- Transmission rate, max.
- Services
- RJ 45

Yes

100 Mbit/s

Ping; arp; LLDP; network diagnostics (SNMP) / MIB-2, reset SNMP parameters to factory settings; prioritized startup; media redundancy MRP; shared device

Yes

1. Interface

Functionality

- PROFINET IO Device
- Yes

PROFINET IO Device

Services

- Isochronous mode
 - IRT
 - PROFINergy
 - Prioritized startup
 - Shared device
 - Number of IO Controllers with shared device, max.
- Yes
- Yes
- Yes
- Yes
- Yes
- 2

Protocols

- Supports protocol for PROFINET IO
 - MRP
- Yes
- Yes

Interrupts/diagnostics/status information

- Alarms
 - Diagnostic functions
 - Diagnostics indication LED
 - Bus fault BF (red)
 - Group error SF (red)
 - Monitoring 24 V voltage supply ON (green)
 - Connection to network LINK (green)
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes

Potential separation

- between backplane bus and electronics
 - between supply voltage and electronics
 - between Ethernet and electronics
- No
- No
- Yes

Permissible potential difference

- between different circuits
- 75 V DC/60 V AC

Isolation

- Isolation tested with
- 500 V

Standards, approvals, certificates

- CE mark
 - UL approval
- Yes
- Yes

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Dimensions	
Width	60 mm
Height	119.5 mm
Depth	75 mm; with mounting rail
Weights	
Weight, approx.	150 g
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