

SIMATIC DP, INTERFACE MODULE IM151-3 PN HF FOR ET 200S, TRANSMISS. RATE UP TO 100MBIT/S MAX. OF 63 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.	3.3 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	Yes
• Transmission rate, max.	100 Mbit/s
• Services	Ping; arp; LLDP; network diagnostics (SNMP) / MIB-2, reset SNMP parameters to factory settings; prioritized startup; media redundancy MRP; shared device
• RJ 45	Yes

1. Interface

Functionality	
• PROFINET IO Device	Yes
PROFINET IO Device	
Services	
— Isochronous mode	No
— 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
MRP	Yes
Protocols (Ethernet)	
• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes

Interrupts/diagnostics/status information

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

Potential separation

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

Permissible potential difference

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

Isolation

Isolation tested with	500 V
-----------------------	-------

Standards, approvals, certificates

CE mark	Yes
---------	-----

UL approval	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
-----------------	-------

last modified:	29.01.2016
-----------------------	------------