

SIMATIC DP, Interface module IM 151-3 PN ST for ET 200S  
 Transmission rate 100 Mbit/s max. 63 power, electronic or motor starter modules up to 2 m width can be connected; 2x bus connections via RJ45 incl. termination module



<b>Configuration control</b>	
via dataset	Yes
<b>Supply voltage</b>	
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
<b>Input current</b>	
from supply voltage 1L+, max.	200 mA
<b>Power loss</b>	
Power loss, typ.	3.3 W
<b>Address area</b>	
Addressing volume	
• Inputs	256 byte
• Outputs	256 byte
<b>Interfaces</b>	
Number of PROFINET interfaces	1
Supports protocol for PROFINET IO	
• Autocrossing	Yes

<ul style="list-style-type: none"> <li>• automatic detection of transmission rate</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Transmission rate, max.</li> </ul>	100 Mbit/s
<ul style="list-style-type: none"> <li>• Number of RJ45 ports</li> </ul>	2
<b>Protocols</b>	
Supports protocol for PROFINET IO	Yes
MRP	Yes
<b>Protocols (Ethernet)</b>	
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	No
<ul style="list-style-type: none"> <li>• SNMP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• LLDP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ping</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ARP</li> </ul>	Yes
<b>PROFINET IO Device</b>	
<b>Services</b>	
— Isochronous mode	No
— IRT	Yes
— Prioritized startup	Yes
— Shared device	Yes
— Number of IO Controllers with shared device, max.	2
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
<ul style="list-style-type: none"> <li>• Bus fault BF (red)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Group error SF (red)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Monitoring 24 V voltage supply ON (green)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Connection to network LINK (green)</li> </ul>	Yes
<b>Potential separation</b>	
between backplane bus and electronics	No
between supply voltage and electronics	No
between Ethernet and electronics	Yes
<b>Permissible potential difference</b>	
between different circuits	75 V DC/60 V AC
<b>Isolation</b>	
Isolation tested with	500 V
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	

- min.
- max.

0 °C  
60 °C

#### Dimensions

Width	60 mm
Height	119.5 mm
Depth	75 mm

#### Weights

Weight, approx.	150 g
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**last modified:** 09/07/2018