

\*\*\* spare part \*\*\* SIMATIC DP, interface module IM 151-3 PN ST for ET 200S transfer rate 100 Mbps max. 63 power, electronic or motor starter 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 ST
Configuration control	
via dataset	Yes
Supply voltage	
Mains buffering	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Power loss	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
<ul style="list-style-type: none"> <li>Inputs</li> <li>Outputs</li> </ul>	256 byte 256 byte
Interfaces	
Number of PROFINET interfaces	1
Transmission rate, max.	100 Mbit/s
1. Interface	
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
<ul style="list-style-type: none"> <li>RJ 45 (Ethernet)</li> <li>Number of ports</li> </ul>	Yes 2
PROFINET IO Device	
Services	
<ul style="list-style-type: none"> <li>— IRT</li> <li>— Prioritized startup</li> <li>— Shared device</li> <li>— Number of IO Controllers with shared device, max.</li> </ul>	Yes Yes Yes 2
Protocols	
Supports protocol for PROFINET IO	Yes
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>SNMP</li> <li>LLDP</li> <li>ping</li> <li>ARP</li> </ul>	Yes Yes Yes Yes
Redundancy mode	
Media redundancy	
<ul style="list-style-type: none"> <li>— MRP</li> </ul>	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>LINK LED</li> <li>Bus fault BF (red)</li> <li>Group error SF (red)</li> <li>Monitoring 24 V voltage supply ON (green)</li> </ul>	Yes Yes Yes Yes
Potential separation	
between backplane bus and electronics	No
between supply voltage and electronics	No
between Ethernet and electronics	Yes

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
Weights	
Weight, approx.	150 g

**last modified:** 10/12/2023 