

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



General information	
Product type designation	IM 151-3 PN ST
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
<b>Supports protocol for PROFINET IO</b>	
• Autocrossing	Yes
• automatic detection of transmission rate	Yes
• Transmission rate, max.	100 Mbit/s
• Number of RJ45 ports	2
<b>Protocols</b>	
Supports protocol for PROFINET IO	Yes
<b>Protocols (Ethernet)</b>	
• TCP/IP	No
• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	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>Redundancy mode</b>	
• MRP	Yes
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
• Connection to network LINK (green)	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.	0 °C
• max.	60 °C
<b>Dimensions</b>	
Width	60 mm
Height	119.5 mm
Depth	75 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	05/25/2019