SIEMENS

Data sheet 6ES7151-3AA23-0AB0

*** 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	
● 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	
Transmission rate, max.	100 Mbit/s
1. Interface	
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
● RJ 45 (Ethernet)	Yes
● Number of ports	2
PROFINET IO Device	
Services	
— IRT	Yes
— Prioritized startup	Yes
— Shared device	Yes
— Number of IO Controllers with shared device, max.	2
Protocols	
Supports protocol for PROFINET IO	Yes
Protocols (Ethernet)	
● SNMP	Yes
● LLDP	Yes
● ping	Yes
● ARP	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	
● LINK LED	Yes
● Bus fault BF (red)	Yes
● Group error SF (red)	Yes
● Monitoring 24 V voltage supply ON (green)	Yes
Potential separation	
between backplane bus and electronics	No
between supply voltage and electronics	No

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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

Classifications

	Version	Classification
eClass	16	27-24-26-08
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration | UL | RCM | EAC | China RoHS

General Product Approval	EMV	For use in hazardous locations			
Manufacturer Declaration	RCM	ATEX	FM	ATEX	UL

For use in hazardous locations	Maritime application				
IECEx	ABS	BUREAU VERITAS	DNV	LRS	NK / Nippon Kaiji Kyokai

Maritime application	Industrial Communication

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CCS (China Classification Society)

PROFINET

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