SIEMENS

Data sheet 6ES7151-3BA23-0AB0

Siemens EcoTech



Figure similar

*** Spare part *** SIMATIC DP, Interface module IM 151-3 PN HF for ET 200S Transmission rate 100 Mbit/s max. 63 I/O 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 HF
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
— PROFIenergy	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

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● ping	Yes
● ARP	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
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
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; with mounting rail
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

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General Product Approval					EMV
EAC	CE EG-Konf.	UKCA	China RoHS	Manufacturer Declaration	RCM

For use in hazardous locations					
ATEX	FM	ATEX	UL	ATEX	IECEx

For use in hazardous locations		Maritime application			
Miscellaneous	CCC-Ex	ABS	BUREAU VERITAS	DNV	LRS

Maritime application			Industrial Communication
NK / Nippon Kaiji Kyokai	RINA	CCS (China Classification Society)	PROFINET

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