SIEMENS

Data sheet 6ES7151-3BA60-0AB0



Figure similar

*** spare part *** SIMATIC DP, interface module IM 151-3 PN HS for ET 200S transmission rate 100 Mbit/s max. 32 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 HS
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.	2 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
● ping	Yes
● ARP	Yes
Redundancy mode	

© Copyright PIcally

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

Manufacturer Declaration | Miscellaneous | China RoHS

General Product Approval	EMV	For use in hazardous locations

© Copyright Plcally

Manufacturer Declaration

RCM

ATEX

FM

ATEX

UL

For use in hazardous locations	Maritime application		Industrial Communication
IECEx	ABS	LRS	PROFINET

last modified: 7/31/2025

© Copyright Plcally