

SIEMENS

Product data sheet

6ES7155-6AA00-0BN0


SIMATIC ET 200SP,
PROFINET INTERFACE MODULE IM155-6PN
STANDARD,
MAX. 32 PERIPHERY MODULES,
INCL. SERVERMODUL,
INCL. BUSADAPTER BA 2X RJ45

General information

Device identifier (DeviceID) 0313H

I&M data Yes

Engineering with

as of V11.0 SP2 with HSP0024 / -

STEP 7 can be configured/integrated as of version V5.5 SP2 or higher with a GSD file / -

Supply voltage

Rated voltage/DC 24 V

permissible range, lower limit (DC) 19.2 V

permissible range, upper limit (DC) 28.8 V

Reverse polarity protection Yes

Mains buffering

Mains/voltage failure stored energy time 5 ms

Input current

Current consumption, max. 450 mA

Power losses	
Power loss, typ.	1.9 W
Interfaces	
Number of PROFINET interfaces	1
1st interface	
Interface types	
Number of ports	2
Integrated switch	Yes
	Yes
Protocols	
PROFINET	Yes
PROFINET IO Device	Yes
Open IE communication	Yes
Media redundancy	Yes
Interface types	
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10 Mbps	Yes ; for Ethernet services
100 Mbps	Yes ; PROFINET with 100 Mbit/s full duplex (100BASE-TX)
Transmission procedure	PROFINET with 100 Mbit/s full duplex (100BASE-TX)
Autonegotiation	Yes
Autocrossing	Yes
Protocols	
Supports protocol for PROFINET IO	Yes
PROFINET IO Device	
Services	
Open IE communication	Yes
IRT, supported	Yes
Prioritized startup	Yes
Shared device	Yes
Open IE communication	
TCP/IP	Yes
SNMP	Yes
LLDP	Yes

ping	Yes
arp	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	
Alarms	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostics indication LED	
RUN LED	Yes ; Green LED
ERROR LED	Yes ; Red LED
MAINT LED	Yes ; yellow LED
Monitoring the supply voltage	Yes ; Green LED
Connection display LINK TX/RX	Yes
Galvanic isolation	
between backplane bus and electronics	No
between PROFINET and all other circuits	Yes
between supply and all other circuits	Yes
Permissible potential difference	
between different circuits	75 VDC / 60 VAC
Isolation	
Isolation checked with	707 V DC between supply voltage and electronics 1500 V AC between Ethernet and electronics
Ambient conditions	
Operating temperature	
vertical installation, min.	0 °C
vertical installation, max.	50 °C
horizontal installation, min.	0 °C
horizontal installation, max.	60 °C
Dimensions	
Width	50 mm
Height	117 mm
Depth	74 mm
Weight	

Weight, approx.	191 g ; IM155PN ST with BA 2xRJ45 (mounted)
Status	Sep 17, 2012