SIEMENS

Data sheet 6DL1155-6AU00-0PM0

Siemens EcoTech



SIMATIC ET 200SP HA, PROFINET interface module IM155-6 PN max. 56 I/O modules, multi-hot swap, without server module

General information	
Product type designation	IM 155-6 PN
HW functional status	05
Vendor identification (VendorID)	02AH
Device identifier (DeviceID)	030FH
Product function	
● I&M data	Yes; I&M0 to I&M3
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V20
● STEP 7 configurable/integrated from version	V5.7.3
● PCS 7 configurable/integrated from version	V10.0 SP1
● PCS neo can be configured/integrated from version	V6.0
Configuration control	
via dataset	No
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Short-circuit protection	Yes
Mains buffering	
● Mains/voltage failure stored energy time	10 ms
Input current	
Current consumption, max.	700 mA; +19.2 V to +28.8 V DC
Inrush current, max.	5 A
I^2t	0.36 $A^2 \cdot s$; Due to increased mains buffering of 10 ms
Power	
Infeed power to the backplane bus	7.5 W; no doubling in redundant mode as the infeed power is also designed as redundant
Power loss	
Power loss, typ.	2.4 W
Address area	
Address space per module	
● Address space per module, max.	256 byte
Address space per station	
● Address space per station, max.	1 440 byte; 1 440 bytes R1 and S1 without CiR, otherwise 1 000 bytes

Subject to change without notice
© Copyright Siemens

Hardware configuration	
Integrated power supply	Yes; 24 V DC
Rack	
● Modules per rack, max.	56; 56 slots for I/O modules + server module (width without IM ≤ 1.3 m)
Time stamp	
Accuracy	1 ms; In compliance with the supplementary conditions described in the Equipment Manual
Interfaces	
Number of PROFINET interfaces	1; 2 ports (switch)
1. Interface	
Interface types	
● Number of ports	2; via BusAdapter
● integrated switch	Yes
● BusAdapter (PROFINET)	Yes
Protocols	
● PROFINET IO device	Yes
● Open IE communication	Yes
● Media redundancy	Yes; as MRP client
Interface types	
RJ 45 (Ethernet)	
● Transmission procedure	PROFINET with 100 Mbit/s full duplex (100BASE-TX)
● 100 Mbps	Yes
● Autonegotiation	Yes
● Autocrossing	Yes
Protocols	
Supports protocol for PROFINET IO	Yes
Redundancy mode	
● PROFINET system redundancy (S2)	Yes; S2, R1
Media redundancy	
— MRP	Yes
Open IE communication	
● TCP/IP	Yes
● SNMP	Yes
● LLDP	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
● RUN LED	Yes; green LED
● ERROR LED	Yes; red LED
● MAINT LED	Yes; Yellow LED
● ACT LED	Yes; green LED
● Monitoring of the supply voltage (PWR-LED)	Yes; green LED
● Connection display LINK TX/RX	Yes; 2x green link LEDs on BusAdapter
Potential separation	
between PROFINET and all other circuits	Yes; 1 500 V AC
between supply and all other circuits	Yes; Type tested with 1 500 V DC
Permissible potential difference	
between different circuits	Safety extra low voltage SELV
Isolation	
Isolation tested with	1 500 V DC/1 min, type test
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	-40 °C
● horizontal installation, max.	70 °C
● vertical installation, min.	-40 °C
● vertical installation, max.	60 °C

Subject to change without notice
© Copyright Siemens

Dimensions	
Width	50 mm
Height	138 mm
Depth	89 mm

Weights	
Weight, approx.	192 g; without BusAdapter

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

Approvals / Certificates

General Product Approval

Miscellaneous

Declaration of Conformity

General Product Approval

China RoHS

Miscellaneous

Manufacturer Declaration

For use in hazardous locations

Declaration of Conformity

For use in hazardous locations

Miscellaneous

Maritime application

NK / Nippon Kaiji Kyokai

Maritime application

CCS (China Classification Society)

Environment

Industrial Communication

PROFINET

Subject to change without notice
© Copyright Siemens

last modified:	6/12/2026

Subject to change without notice
© Copyright Siemens