SIEMENS

Data sheet

6ES7155-6AU00-0DN0



SIMATIC ET 200SP, PROFINET interface module IM155-6PN High Speed max. 30 I/O modules, 0.125 ms isochronous mode Multi-hotswap, incl. server module

General information	
Product type designation	IM 155-6 PN HS
HW functional status	From FS02
Firmware version	V4.0
FW update possible	Yes
Product function	
● I&M data	Yes; I&M0 to I&M3
 Module swapping during operation (hot swapping) 	Yes; Multi-hot swapping
Isochronous mode	Yes
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	STEP 7 V14 or higher
 STEP 7 configurable/integrated from version 	V5.5 SP4 and higher
 PROFINET from GSD version/GSD revision 	- / V2.3
Configuration control	
via dataset	Yes
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
Mains buffering	
 Mains/voltage failure stored energy time 	5 ms
Input current	
Current consumption, max.	500 mA
Inrush current, max.	4.5 A
l²t	0.09 A ² ·s
Power loss	
Power loss, typ.	1.7 W
Address area	
Address space per module	
Address space per module, max.	32 byte; For input and output data respectively
Address space per station	
 Address space per station, max. 	968 byte; For input and output data respectively
Hardware configuration	
Rack	
 Quantity of operable ET 200SP modules, max. 	30
Quantity of operable ET 200AL modules, max.	0
Submodules	

Interfaces	Number of submodules per station, max.	125
Interface bytes		
Mumber of ports 2		1; 2 ports (switch)
Number of ports 2		
Histograted switch	2.	
Protocols Protocols Protocols Protocols Protocols PROFINET IO Device PROFINET IO Device Protocols PROFINET with 100 Mbit's full duplex (100BASE-TX) No PROFINET with 100 Mbit's full duplex (100BASE-TX) No Protocols PROFINET with 100 Mbit's full duplex (100BASE-TX) Protocols PROFINET iO Device PROFINET iO Controllers with shared device, max. PROFINET system redundancy (S2) PROFINET with a protocols PROFINE system redundancy (S2) PROFINET with redundancy Protocols PROFINET with redundancy PROFINET protocols PROFINET with redundancy PROFINET protocols PROFINET protocols PROFINET protocols PROFINET protocols PROFINET with redundancy Protocols PROFINET protocols PROFINET with redundancy Protocols PROFINET protocols PROFINET with redundancy PROFINET protocols PROFINET with redundancy Protocols PROFINET protocols PROFINET with redundancy Protocols PROFINET		
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Media redundancy	 PROFINET IO Device 	
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between backplane bus and electronics between PROFINET and all other circuits between supply and all other circuits No		
between PROFINET and all other circuits between supply and all other circuits No		No
between supply and all other circuits		
	Isolation	

Isolation tested with	707 V DC between supply voltage and electronics (type test); 1 500 V AC between Ethernet and electronics (type test)
Standards, approvals, certificates	
Network loading class	3
Security level	According to Security Level 1 Test Cases V1.1.1
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-25 °C; No condensation
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-25 °C; No condensation
 vertical installation, max. 	50 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
connection method / header	
ET-Connection	
via BU/BA Send	No
Dimensions	
Width	50 mm
Height	117 mm
Depth	74 mm
Weights	
Weight, approx.	147 g; without BusAdapter

3/2/2021

last modified: