SIEMENS

Data sheet

6ES7155-6AU01-0BN0



SIMATIC ET 200SP, PROFINET interface module IM 155-6PN Standard, max. 32 I/O modules, and 16 ET 200AL modules, single hot swap, incl. server module (6ES7193-6PA00-0AA0)

General information	
Product type designation	IM 155-6 PN ST
HW functional status	From FS03
Product function	
• I&M data	Yes; I&M0 to I&M3
 Module swapping during operation (hot swapping) 	Yes; Single hot swapping
Isochronous mode	No
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	V14
 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
Short-circuit protection	Yes
Mains buffering	
Mains/voltage failure stored energy time	10 ms
Input current	
Current consumption (rated value)	450 mA
Current consumption, max.	550 mA
Inrush current, max.	3.7 A
l²t	0.09 A ² ·s
Power	
Infeed power to the backplane bus	4.5 W
Power loss	
Power loss, typ.	1.9 W
Address area	
Address space per module	
Address space per module, max.	256 byte; per input / output
Address space per station	
Address space per station, max.	512 byte; Dependent on configuration
Hardware configuration	

• Modules per rack, max. Submodules • Number of submodules per station, max. 256 Interfaces Interfaces Interfaces 1; 2 ports (switch) 1.Interface linerfaces • Number of PRCPINET interfaces 1; 2 ports (switch) 1.Interface linerface linerfaces • Number of ports • PROFINET ID Device • Open IE communication • PROFINET ID Device • Open IE communication • Media redundancy • Interface sypes RJ 45 (Ethemet) • Transmission procedure • To Mbps • Autonegolitation • Autonegolitation • Autonegolitation • Autonescosing PROFINET IO Device Services — IRT — PROFiner I'D Device Services — IRT — PROFiner yets Profinitzed startup — PROFiner of IO Controllers with shared device, nax. Redundancy mode • PROFINET system redundancy (S2) Media redundancy — MRPD No Open IE communication • TCP/IP • Was • NNIP — MRPD No Open IE communication • TCP/IP • Was • NNIP — MRPD No Open IE communication • TCP/IP • Was • NNIP — MRPD No Open IE communication • TCP/IP • Was • NNIP • Wa	Rack	
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Media redundancy	Redundancy mode	
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Diagnostics function Permissible potential difference Yes Yes Yes Yes; green LED Yes; green LED Yes; red LED Yes; red LED Yes; Yellow LED Yes; Yellow LED Yes; green PWR LED Yes; green PWR LED Yes; 2x green link LEDs on BusAdapter Yes Yes; 2x green link LEDs on BusAdapter	Status indicator	Yes
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between supply and all other circuits No Permissible potential difference	· · · · · · · · · · · · · · · · · · ·	No
Permissible potential difference		Yes; 1500 V AC (type test)
	between supply and all other circuits	No
between different circuits Safety extra low voltage SELV	Permissible potential difference	
Caroty Child Tolk Vollage CEEV	between different circuits	Safety extra low voltage SELV
Isolation	Isolation	

Isolation tested with	707 \/ DC (type test)
	707 V DC (type test)
Standards, approvals, certificates	
Security level	According to Security Level 1 Test Cases V1.1.1
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	0°C
 horizontal installation, max. 	60 °C
 vertical installation, min. 	0°C
 vertical installation, max. 	50 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	5 000 m
Connection method	
ET-Connection	
 via BU/BA Send 	Yes; + 16 ET 200AL modules
Dimensions	
Width	50 mm
Height	117 mm
Depth	74 mm
Weights	
Weight, approx.	147 g; without BusAdapter
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