## **SIEMENS**

## **Data sheet**

## 6AG1155-6AU00-7HM0



SIPLUS ET 200SP IM155-6PN R1 based on 6ES7155-6AU00-0HM0 with conformal coating -40...+70 °C . 2-port interface module IM 155-6 PN R1, 1 slot for BusAdapter, max. 64 I/O modules R1 redundancy, multi hot swap, 0.25 ms, optional PN strain relief,

Figure similar

William Co.	
General information	
Product type designation	IM 155-6 PN R1
Firmware version	
FW update possible	Yes
based on	6ES7155-6AU00-0HM0
Product function	
<ul> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
<ul> <li>Module swapping during operation (hot swapping)</li> </ul>	Yes; Multi-hot swapping
Isochronous mode	No
Engineering with	
<ul> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	see entry ID: 109746275
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	
<ul> <li>Mains/voltage failure stored energy time</li> </ul>	10 ms
Input current	
Current consumption, max.	700 mA
Inrush current, max.	5 A
l²t	0.36 A²·s
Power loss	
Power loss, typ.	2.4 W
Address area	
Address space per module	
Address space per module, max.	288 byte
Address space per station	
Address space per station, max.	1 440 byte
Hardware configuration	
Integrated power supply	Yes; 24 V DC
Rack	
Modules per rack, max.	64
Submodules	
Number of submodules per station, max.	256
Interfaces	

Number of PROFINET interfaces	1; 2 ports (switch)
1. Interface	, = p ()
Interface types	
Number of ports	2; via BusAdapter
• integrated switch	Yes
BusAdapter (PROFINET)	Yes; compatible BusAdapters: BA 2x RJ45, BA 2x M12, BA 2x FC, BA 2x
,	SCRJ, BA SCRJ / RJ45, BA SCRJ / FC, BA 2x LC, BA LC / RJ45, BA LC / FC,
	BA 2x LC-LD, BA LC-LD / RJ45, BA LC-LD / M12
Protocols	V
PROFINET IO Device     Open IF communication	Yes
Open IE communication     Madia redundance	Yes
Media redundancy  PROFINET IO Davises	Yes; as MRP client
PROFINET IO Device Services	
— IRT	No
— PROFlenergy	No
	No
Prioritized startup      Shared device	No
	INU
Interface types	
RJ 45 (Ethernet)	DDOEINET with 100 Mhit/s full duploy (100DASC TV)
Transmission procedure     100 Mbps	PROFINET with 100 Mbit/s full duplex (100BASE-TX)
• 100 Mbps	Yes; PROFINET with 100 Mbit/s full duplex (100BASE-TX)
Autorogotiation     Autorogotian	Yes
Autocrossing  Protocols	Yes
Protocols	
Redundancy mode	No
PROFINET system redundancy (S2)	No
— on S7-1500R/H	No
— on S7-400H	No
PROFINET system redundancy (R1)  Madia and an articles.	Yes
Media redundancy	Voc
— MRP	Yes
— MRPD  Open IE communication	No
·	Voo
TCP/IP SNMP	Yes Yes
• LLDP	
	Yes
Interrupts/diagnostics/status information	Vac
Status indicator	Yes
Alarms Diagnostics function	Yes
Diagnostics function	Yes
Diagnostics indication LED	Voc. groon LED
RUN LED  ERROR LED	Yes; green LED Yes; red LED
	Yes; red LED Yes; Yellow LED
MAINT LED     ACT LED	
<ul> <li>Monitoring of the supply voltage (PWR-LED)</li> </ul>	Yes; green LED Yes; green PWR LED
Connection display LINK TX/RX	Yes; 2x green link LEDs on BusAdapter
Potential separation	169, 27 green link LLD9 on bushuapter
between PROFINET and all other circuits	Yes
	Yes
between supply and all other circuits	165
Permissible potential difference	Safaty avtra law valtage SELV
between different circuits Isolation	Safety extra low voltage SELV
	707 V DC (hung toot)
Isolation tested with	707 V DC (type test)
Ambient conditions	
Ambient temperature during operation	40.00 7.1 (1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1
horizontal installation, min.	-40 °C; = Tmin (incl. condensation/frost)
horizontal installation, max.	70 °C; = Tmax
vertical installation, min.	-40 °C; = Tmin
vertical installation, max.	50 °C; = Tmax

Altitude during operation relating to sea level	
<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m
Ambient air temperature-barometric pressure-altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
Relative humidity	
<ul> <li>With condensation, tested in accordance with IEC 60068- 2-38, max.</li> </ul>	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
Resistance	
Coolants and lubricants	
<ul> <li>Resistant to commercially available coolants and lubricants</li> </ul>	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
<ul> <li>to biologically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
<ul> <li>to chemically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); $^{\star}$
<ul> <li>to mechanically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
<ul> <li>to biologically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
<ul> <li>to chemically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); $^{\star}$
<ul> <li>to mechanically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6S3 incl. sand, dust; *
Usage in industrial process technology	
<ul> <li>Against chemically active substances acc. to EN 60654-4</li> </ul>	Yes; Class 3 (excluding trichlorethylene)
<ul> <li>Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li> </ul>	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>	Yes; Class 2 for high reliability
<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> </ul>	Yes; Discoloration of coating possible during service life
<ul> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-830A</li> </ul>	Yes; Conformal coating, Class A
imensions	
Width	50 mm
Height	138 mm
Depth	89 mm
/eights	
Weight, approx.	192 g; without BusAdapter

last modified:

5/29/2024