## **SIEMENS**

## **Data sheet**

## 6AG2155-6AU01-4CN0



SIPLUS ET 200SP IM155-6PN HF TX rail based on 6ES7155-6AU01-0CN0 with conformal coating, -40...+70 °C, OT4 with ST1/2 (+85 °C for 10 minutes), 2-port interface module 1 slot for BusAdapter, max. 64 I/O modules, and 16 ET 200AL modules, S2 redundancy, multi hot swap, 0.25 ms, isochronous mode, optional PN strain relief, including server module (6AG1193-6PA00-7AA0)

Figure similar

General Information Product type designation Firmware version Fiv Update possible Preduct function Fireduct function Finduct	riguresiima	
Firmware version  FIW update possible  Assed on  Product function  IsM data  Nototic swapping during operation (hot swapping)  Isochronous mode  Tool changer  Local coupling, 10 data  Local coupling, 10 data  STEP 7 TIA Portal configurable/integrated from version  Configuration control  Ves Supply voltage  Rated value (DC)  permissible range, lower limit (DC)  Alains buffering  Mains buffering  Mains voltage failure stored energy time  Current consumption, max.  To max  Linush current, max.  Pr  Address space per module  Address space per module, max.  Address space per station  Address space per station  Address space per station, max.  Hardware configuration  Rack  Modules per rack, max.  64; +16 ET 200AL modules	General information	
Product function  Find data  Module swapping during operation (hot swapping)  Isoschronous mode  Tool changer  Local coupling, IO data  Local coupling, IO data  STEP 7 TIA Portal configurable/integrated from version  Configuration control  Ves  Supply voltage  Rated value (DC)  permissible range, upper limit (DC)  permissible range, upper limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Mains buffering  Mains/voltage failure stored energy time  Mains/voltage failure stored energy time  None  Current  Current consumption, max.  Fower loss, typ.  Address space per module  Address space per station  Address space per station  Address space per station  Address space per rack, max.  Minack  Modules per rack, max.  Minack  Modules per rack, max.  Modules per ack, max.  Modules per rack,	Product type designation	IM 155-6 PN/2 HF
based on  Product function  Product function  I M data  Module swapping during operation (hot swapping) I slochronous mode Tool changer Cooling, I O data Local coupling, I O data Local coupling, I O data Local coupling, I O data Supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) Permissible range, upper limit (DC) Reverse polarity protection Wains/voltage failure stored energy time Mains/voltage failure stored energy time Current consumption, max. Pt Querent consumption, max. Address space per module Address space per module, max. Address space per station Address space per station Address space per station, max. Pack Modules per rack, max.  64; +16 ET 200AL modules Submodules	Firmware version	
Product function  IAM data  Module swapping during operation (hot swapping)  Isochronous mode  Tool changer  Local coupling, IO data  Local coupling, IO data  Some of the control of the coupling of the coup	FW update possible	Yes
I I I I I I I I I I I I I I I I I I I	based on	6ES7155-6AU01-0CN0
Module swapping during operation (hot swapping)  Isochronous mode Tool changer Local coupling, IO data Local coupling, IO data Step 7 TIA Portal configurable/integrated from version Step 7 TIA Portal configurable/integrated from version Step 7 TIA Portal configurable/integrated from version Supply voltage Rated value (DC) Permissible range, lower limit (DC) Permissible range, lower limit (DC) Permissible range, lower limit (DC) Permissible range supper limit (DC) Permissible range, lower limi	Product function	
● Isochronous mode ● Tool changer ● Local coupling, IO data ● Local coupling, IO data ● Local coupling, data records No  Engineering with ● STEP 7 TIA Portal configurable/integrated from version  Configuration control via dataset  Yes  Supply voltage  Rated value (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Reverse polarity protection Mains buffering ● Mains/voltage failure stored energy time Input current  Current consumption, max. Inrush current, max. Pt	● I&M data	Yes; I&M0 to I&M3
• Tool changer  • Local coupling, IO data  • Local coupling, data records  • Local coupling, data records  • STEP 7 TIA Portal configurable/integrated from version  configuration control  via dataset  Yes  Supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  permissible range, upper limit (DC)  permissible range, lower loss  • Mains buffering  • Mains/voltage failure stored energy time  10 ms  Input current  Current consumption, max.  700 mA  Inrush current, max.  Power loss  Power loss  Power loss, typ.  Address space per module  • Address space per module, max.  Address space per station  • Address space per rack, max.  64; + 16 ET 200AL modules	<ul> <li>Module swapping during operation (hot swapping)</li> </ul>	Yes; Multi-hot swapping
Local coupling, IO data	<ul> <li>Isochronous mode</li> </ul>	Yes
Local coupling, data records     Engineering with	Tool changer	Yes; Docking station and docking unit
Engineering with  STEP 7 TIA Portal configurable/integrated from version  Configuration control  via dataset  Rated value (DC)  permissible range, lower limit	<ul> <li>Local coupling, IO data</li> </ul>	No
STEP 7 TIA Portal configurable/integrated from version  configuration control  via dataset  Yes  Supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Mains buffering  Mains/voltage failure stored energy time  to ms  Input current  Current consumption, max.  Irrush current, max.  Pt  O.25 A²-s  Power loss  Power loss, typ.  Address space per module  Address space per module  Address space per station  Address space per rack, max.  Been try ID: 109746275  Yes  19.2 V  Pes  Mains/voltage failure stored onergy time  10 ms  Input current  Current consumption, max.  700 mA  Inrush current, max.  4.5 A  Pt  O.25 A²-s  Power loss  Power loss, typ.  Address space per module  Address space per module  Address space per module, max.  Address space per station  Address space per station  Address space per station  Address space per station, max.  1 440 byte; Dependent on configuration  Rack  Modules per rack, max.  64; + 16 ET 200AL modules	Local coupling, data records	No
Configuration control  via dataset  Yes  Supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Yes  Mains buffering  Mains/voltage failure stored energy time  Input current  Current consumption, max.  Inrush current, max.  Irt  0.25 A²-s  Power loss  Power loss, typ.  Address space per module  Address space per module  Address space per station  Address space per station  Address space per station  Address space per station, max.  I 440 byte; Dependent on configuration  Rack  Modules per rack, max.  64; +16 ET 200AL modules  Submodules	Engineering with	
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 10 ms  Input current  Current consumption, max. 700 mA Inrush current, max. 4.5 A  IPt 0.25 A²-s  Power loss  Power loss, typ. 2.4 W  Address space per module  • Address space per module, max. 288 byte; For input and output data respectively  Address space per station  • Address space per station, max. 1 440 byte; Dependent on configuration  Rack  • Modules per rack, max. 64; + 16 ET 200AL modules  Submodules	<ul> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	see entry ID: 109746275
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 10 ms  Input current  Current consumption, max. 700 mA Inrush current, max. 4.5 A I't 0.25 A²-s  Power loss  Power loss, typ. 2.4 W  Address area  Address space per module  • Address space per module, max. 288 byte; For input and output data respectively Address space per station  • Address space per station  • Address space per station, max. 1440 byte; Dependent on configuration  Rack  • Modules per rack, max. 64; + 16 ET 200AL modules  Submodules	Configuration control	
Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Mains buffering  • Mains/voltage failure stored energy time  Input current  Current consumption, max.  Irt  0.25 A²-s  Power loss  Power loss, typ.  Address space per module  • Address space per module, max.  288 byte; For input and output data respectively  Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	via dataset	Yes
permissible range, lower limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Yes  Mains buffering  • Mains/voltage failure stored energy time  Input current  Current consumption, max.  Inrush current, max.  If 0.25 A²-s  Power loss  Power loss  Power loss, typ.  Address space per module  • Address space per module, max.  Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Supply voltage	
permissible range, upper limit (DC)  Reverse polarity protection  Yes  Mains buffering  Mains/voltage failure stored energy time  10 ms  Input current  Current consumption, max.  Inrush current, max.  If 0.25 A²-s  Power loss  Power loss  Power loss, typ.  Address area  Address space per module  Address space per module, max.  Address space per station	Rated value (DC)	24 V
Reverse polarity protection  Mains buffering  Mains/voltage failure stored energy time  10 ms  Input current  Current consumption, max. 700 mA  Inrush current, max. 4.5 A  Pt 0.25 A²-s  Power loss  Power loss, typ. 2.4 W  Address area  Address space per module Address space per module, max. 288 byte; For input and output data respectively  Address space per station	permissible range, lower limit (DC)	19.2 V
Mains buffering  • Mains/voltage failure stored energy time  Input current  Current consumption, max.  Inrush current, max.  It 0.25 A²-s  Power loss  Power loss, typ.  Address area  Address space per module  • Address space per module, max.  Address space per station  • Address space per station  • Address space per station, max.  Intush current, max.  288 byte; For input and output data respectively  Address space per station  • Address space per station  • Address space per station, max.  Intush current, max.  288 byte; For input and output data respectively  Address space per station  • Address space per station, max.  Intush current, max.  Intush	permissible range, upper limit (DC)	28.8 V
Mains/voltage failure stored energy time Input current  Current consumption, max.  700 mA Inrush current, max.  4.5 A  Pt 0.25 A²-s  Power loss  Power loss, typ.  Address area  Address space per module  Address space per module, max.  Address space per module, max.  Address space per station  Address space per station, max.  1 440 byte; Dependent on configuration  Rack  Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Reverse polarity protection	Yes
Input current Current consumption, max.  Inrush current, max.  I²t  0.25 A²·s  Power loss  Power loss, typ.  Address area  Address space per module  • Address space per module, max.  Address space per station  • Address	Mains buffering	
Current consumption, max.  Inrush current, max.  I²t  0.25 A²-s  Power loss  Power loss, typ.  Address area  Address space per module  • Address space per module, max.  Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	<ul> <li>Mains/voltage failure stored energy time</li> </ul>	10 ms
Inrush current, max.  I²t  O.25 A²-s  Power loss  Power loss, typ.  Address area  Address space per module  • Address space per module, max.  Address space per station  • Address space per station  • Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Input current	
I²t 0.25 A²·s  Power loss  Power loss, typ. 2.4 W  Address area  Address space per module  • Address space per module, max. 288 byte; For input and output data respectively  Address space per station  • Address space per station, max. 1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max. 64; + 16 ET 200AL modules  Submodules	Current consumption, max.	700 mA
Power loss Power loss, typ.  2.4 W  Address area  Address space per module  • Address space per module, max.  Address space per station  • Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Inrush current, max.	4.5 A
Power loss, typ.  Address area  Address space per module  • Address space per module, max.  Address space per station  • Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	I <sup>2</sup> t	0.25 A <sup>2</sup> ·s
Address area  Address space per module  • Address space per module, max.  Address space per station  • Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Power loss	
Address space per module  Address space per module, max.  Address space per station  Address space per station  Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Power loss, typ.	2.4 W
Address space per module, max.  Address space per station  Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Address area	
Address space per station  • Address space per station, max.  1 440 byte; Dependent on configuration  Hardware configuration  Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Address space per module	
◆ Address space per station, max.  Hardware configuration  Rack      ◆ Modules per rack, max.  Submodules  1 440 byte; Dependent on configuration  64; + 16 ET 200AL modules	Address space per module, max.	288 byte; For input and output data respectively
Hardware configuration  Rack  • Modules per rack, max.  Submodules  64; + 16 ET 200AL modules	Address space per station	
Rack  • Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	<ul> <li>Address space per station, max.</li> </ul>	1 440 byte; Dependent on configuration
Modules per rack, max.  64; + 16 ET 200AL modules  Submodules	Hardware configuration	
Submodules	Rack	
	<ul> <li>Modules per rack, max.</li> </ul>	64; + 16 ET 200AL modules
Number of submodules per station, max.     256	Submodules	
	Number of submodules per station, max.	256

Time stamping	
Accuracy	10 ms
Interfaces	
Number of PROFINET interfaces	1; 2 ports (switch)
1. Interface	
Interface types	
Number of ports	2; via BusAdapter
<ul> <li>integrated switch</li> </ul>	Yes
BusAdapter (PROFINET)	Yes; Compatible BusAdapter: BA 2x RJ45, BA 2x FC, BA 2x SCRJ, BA SCRJ / RJ45, BA SCRJ / FC, BA 2x LC, BA LC / RJ45, BA LC / FC
Protocols	RJ45, DA SORJ / FC, DA ZX LO, DA LC / RJ45, DA LC / FC
PROFINET IO Device	Yes
Open IE communication	Yes
Media redundancy	Yes; PROFINET MRP
PROFINET IO Device	165, FROI INCT WITH
Services	
— IRT	Yes; 250 µs, 500 µs, 1 ms, 2 ms, 4 ms additionally with IRT with high
— IKI	performance: 250 µs to 4 ms in 125 µs frame
— PROFlenergy	Yes
— Prioritized startup	Yes
— Shared device	Yes
Number of IO Controllers with shared device, max	
Interface types	
RJ 45 (Ethernet)	
Transmission procedure	PROFINET with 100 Mbit/s full duplex (100BASE-TX)
·	
• 10 Mbps	No
• 100 Mbps	Yes; PROFINET with 100 Mbit/s full duplex (100BASE-TX)
Autonegotiation	Yes
Autocrossing	Yes
Protocols	
Number of connections	
<ul> <li>Number of MtM communication relationships/connections, max.</li> </ul>	16
Redundancy mode	
PROFINET system redundancy (S2)	Yes; NAP S2
PROFINET system redundancy (R1)	No
H-Sync forwarding	Yes
Media redundancy	165
— MRP	Voc
	Yes
— MRPD	No
Open IE communication	Ves
• TCP/IP	Yes
• SNMP	Yes
• LLDP	Yes
Isochronous mode	
Equidistance	Yes
shortest clock pulse	250 µs
max. cycle	4 ms
Bus cycle time (TDP), min.	250 μs
Jitter, max.	1 μs
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
Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
Connection display LINK TX/RX	Yes; 2x green link LEDs on BusAdapter
Potential separation	, •

between backplane bus and electronics	No
between PROFINET and all other circuits	Yes
between supply and all other circuits	No
Isolation	750 \/ DO (b) as to the order of a considerate EN 50455 (assisting to the
Isolation tested with	750 V DC (type test) and according to EN 50155 (routine test)
Standards, approvals, certificates	
Network loading class	3
Ecological footprint	Yes
environmental product declaration     Global warming potential	165
— global warming potential, (total) [CO2 eq]	105 kg
— global warming potential, (total) [CO2 eq]  — global warming potential, (during production) [CO2	13.7 kg
eq]	iv.i ng
<ul> <li>global warming potential, (during operation) [CO2</li> </ul>	91.9 kg
eq]	
<ul> <li>— global warming potential, (after end of life cycle)</li> <li>[CO2 eq]</li> </ul>	-0.617 kg
Railway application	
• EN 50121-3-2	Yes; EMC for rail vehicles
• EN 50121-4	Yes; EMC for signal and telecommunications systems
• EN 50121-5	Yes; EMC for fixed installations and railway power supply equipment
• EN 50124-1	Yes; Railway applications - overvoltage category OV2; pollution degree PD2; rated surge voltage UNi = 0.5 kV; UNm = 24 V DC
• EN 50125-1	Yes; Rail vehicles - see ambient conditions
• EN 50125-2	Yes; Stationary electrical equipment - see ambient conditions
● EN 50125-3	Yes; Signal and telecommunications systems - see ambient conditions; vibrations and shocks: Application point outside of tracks (1 m to 3 m away from track)
● EN 50155	Yes; Rail vehicles - temperature class OT4, ST1/ST2, horizontal mounting position
• EN 61373	Yes; Rail vehicles - vibrations and shocks: Category 1 Class A/B
<ul> <li>Fire protection acc. to EN 45545-2</li> </ul>	Yes; For proof of conformity, see Service & Support
Ambient conditions	
Ambient temperature during operation	
<ul> <li>horizontal installation, min.</li> </ul>	-40 °C; = Tmin (incl. condensation/frost)
<ul> <li>horizontal installation, max.</li> </ul>	70 °C; = Tmax; +85 °C for 10 min (OT4, ST1/ST2 acc. to EN 50155)
<ul> <li>vertical installation, min.</li> </ul>	-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>	2 000 m
Ambient air temperature-barometric pressure-altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m)
Relative humidity	
• With condensation, tosted in accordance with IEC 60060	
<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),
2-38, max.	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
2-38, max. Resistance	,
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and	,
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants	horizontal installation
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna);
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc.	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-3	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 3S4 incl. sand, dust, *
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on land craft, rail vehicles and special-purpose vehicles  — to biologically active substances according to EN	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 5B2 mold, fungus and dry rot spores (with the exception of fauna);
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on land craft, rail vehicles and special-purpose vehicles  — to biologically active substances according to EN 60721-3-5  — to chemically active substances according to EN	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 5B2 mold, fungus and dry rot spores (with the exception of fauna); Class 5B3 on request  Yes; Class 5C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity
2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on land craft, rail vehicles and special-purpose vehicles  — to biologically active substances according to EN 60721-3-5	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 3S4 incl. sand, dust, * Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 5B2 mold, fungus and dry rot spores (with the exception of fauna); Class 5B3 on request

Yes; level 1 (Location LE) using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)
Yes; Class 3 (excluding trichlorethylene)
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)
* The supplied plug covers must remain in place over the unused interfaces during operation!
Yes; Class 2 for high reliability
Yes; Type 1 protection
Yes; Class PC2 protective coating acc. to EN 50155:2017
Yes; Discoloration of coating possible during service life
Yes; Conformal coating, Class A
Yes; + 16 ET 200AL modules
Yes; Optional
50 mm
117 mm
74 mm
120 g; without BusAdapter
for use in railway applications, also observe the product information "SIPLUS extreme RAIL" A5E37661960A, Online Support article 109736776

last modified:

10/9/2024