SIEMENS

Data sheet

6AG1155-6BA01-7CN0



SIPLUS ET 200SP IM155-6DP HF based on 6ES7155-6BA01-0CN0 with conformal coating, -40...+70 °C, bundle PROFIBUS IM, max. 32 I/O modules and 16 ET 200AL modules, multi hot swap, bundle consists of: interface module (6AG1155-6BU01-7CN0), server module (6AG1193-6PA00-7AA0), PROFIBUS plug

Figure similar

Canaval information	
General information	IM 4FF C DD UF
Product type designation	IM 155-6 DP HF
Product function ● I&M data	Voc. 19 MO to 19 M2
	Yes; I&M0 to I&M3
Module swapping during operation (hot swapping)	Yes; Multi-hot swapping
Isochronous mode	No
Engineering with	
STEP 7 TIA Portal configurable/integrated from version	see entry ID: 109746275
Configuration control	V
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.	335 mA
Inrush current, max.	1.6 A
l²t	0.038 A²·s
Power loss	
Power loss, typ.	1.5 W
Address area	
Address space per module	
Address space per module, max.	32 byte; per input / output
Address space per station	
 Address space per station, max. 	244 byte; per input / output
Hardware configuration	
Rack	
 Modules per rack, max. 	32; + 16 ET 200AL modules
Interfaces	
Number of PROFIBUS interfaces	1
1. Interface	
Interface types	
• RS 485	Yes
 Output current of the interface, max. 	90 mA
Protocols	
PROFIBUS DP slave	Yes

Interface types		
RS 485		
Transmission rate, max.	12 Mbit/s	
Protocols		
Open IE communication		
• TCP/IP	No	
PROFIBUS DP		
Services		
— SYNC capability	Yes	
— FREEZE capability	Yes	
— DPV0	Yes	
— DPV1	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	
 Monitoring of the supply voltage (PWR-LED) 	Yes; green PWR LED	
Connection display DP	Yes; green DP LED	
Potential separation		
between backplane bus and electronics	No	
between PROFIBUS DP and all other circuit components	Yes	
between supply and all other circuits	No	
Permissible potential difference		
between different circuits	Safety extra low voltage SELV	
Isolation		
Isolation tested with	707 V DC (type test)	
Ambient conditions		
Ambient temperature during operation		
 horizontal installation, min. 	-40 °C; = Tmin (incl. condensation/frost)	
 horizontal installation, max. 	70 °C; = Tmax	
 vertical installation, min. 	-40 °C; = Tmin (incl. condensation/frost)	
vertical installation, max.	50 °C; = Tmax	
vertical installation, max. Altitude during operation relating to sea level	50 °C; = Tmax	
	50 °C; = Tmax 5 000 m	
Altitude during operation relating to sea level		
Altitude during operation relating to sea level Installation altitude above sea level, max.	5 000 m 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)	
Altitude during operation relating to sea level Installation altitude above sea level, max. Ambient air temperature-barometric pressure-altitude Relative humidity With condensation, tested in accordance with IEC 60068-2-38, max.	5 000 m 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)	
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 Against mechanical environmental conditions acc. to EN 60721-3-6 	Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)
Usage in industrial process technology	
 Against chemically active substances acc. to EN 60654-4 	Yes; Class 3 (excluding trichlorethylene)
 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 	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	
 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 	Yes; Class 2 for high reliability
 Protection against fouling acc. to EN 60664-3 	Yes; Type 1 protection
 Military testing according to MIL-I-46058C, Amendment 7 	Yes; Discoloration of coating possible during service life
 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-830A 	Yes; Conformal coating, Class A
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.	150 g
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last modified:

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