## **SIEMENS**

## Product data sheet 6AG1135-4GB01-2AB0



SIPLUS ET200S EM 2AO I STANDARD -25 ... +70 DGR C WITH CONFORMAL COATING BASED ON 6ES7135-4GB01-0AB0 . +/-20MA;
13 BIT + VZ, 4 . .20MA;
13 BIT CYCLE TIME < 1MS WITH LED GF (GROUP FAULT)

Supply voltage		
Load voltage L+		
Rated value (DC)	24 V ; From power module	
Reverse polarity protection	Yes	
Input current		
from load voltage L+ (without load), max.	150 mA	
from backplane bus 3.3 V DC, max.	10 mA	
Power losses		
Power loss, max.	2 W	
Address area		
Address space per module		
Address space per module, max.	4 byte	
Analog outputs		
Number of analog outputs	2	
Current output, no-load voltage, max.	18 V	
Cycle time (all channels) max.	1.5 ms	
Output ranges, current		
-20 to +20 mA	Yes	

4 to 20 mA	Yes	
Connection of actuators		
for current output two-wire connection	Yes	
for current output four-wire connection	No	
Load impedance (in rated range of output)		
with current outputs, max.	500 Ω	
with current outputs, inductive load, max.	1 mH	
Destruction limits against externally applied voltages and currents		
Voltages at the outputs towards MANA	15 V; max. 15 V continuous; 75 V for max. 1 s (mark to space ratio 1:20)	
Current, max.	50 mA ; DC	
Cable length		
Cable length, shielded, max.	200 m	
Analog value creation		
Integrations and conversion time/resolution per channel		
Resolution with overrange (bit including sign), max.	14 bit ; 4 to 20 mA: 13 bits, +/-20 mA: 14 bits	
Settling time		
for resistive load	0.1 ms	
for capacitive load	0.5 ms	
for inductive load	0.5 ms	
Errors/accuracies		
Output ripple (based on output area, bandwidth 0 to 50 kHz), (+/-)	0.02 %	
Linearity error (relative to output range), (+/-)	0.02 %	
Temperature error (relative to output range), (+/-)	0.01 %/K	
Repeat accuracy in steady state at 25 °C (relative to output area), (+/-)	0.05 %	
Operational limit in overall temperature range		
Current, relative to output area, (+/-)	0.5 %	
Basic error limit (operational limit at 25 °C)		
Current, relative to output area, (+/-)	0.3 %	
Interrupts/diagnostics/status information		
Substitute values connectable	Yes; 0 to 65535 (range of values must be within the rated range)	
Diagnostic messages		
Wire break	Yes	
Group error	Yes	
Diagnostics indication LED		
Group error SF (red)	Yes	
Parameter		
Remark	7 byte	

Output type/range	deactivated / +/-20 mA / 4 to 20 mA
Diagnosis: wire break	Disable / enable
Group diagnostics	Disable / enable
Behavior on CPU/Master STOP	Output current and de-energized/substitute a value/keep last value
Ex(i) characteristics	
Max. values of output circuits (per channel)	
Uo (output no-load voltage), max.	18 V
Galvanic isolation	
Galvanic isolation analog outputs	
between the channels	No
between the channels and the backplane bus	Yes
between the channels and the load voltage L+	Yes
Permissible potential difference	
between MANA and M internally (UISO)	75 VDC / 60 VAC
Ambient conditions	
Extended ambient conditions	
Relative to ambient temperature-atmospheric pressure-installation altitude	Tmin Tmax at 1080 hPa 795 hPa (-1000 m +2000 m) // Tmin (Tmax - 10K) at 795 hPa 658 hPa (+2000 m +3500 m) // Tmin (Tmax - 20K) at 658 hPa 540 hPa (+3500 m +5000 m)
Relative humidity	
with condensation, maximum	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
to biologically active substances/conformity with EN 60721-3 -3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation in corrosive atmospheres!
to chemically active substances/conformity with EN 60721-3 -3	Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
to mechanically active substances/conformity with EN 60721 -3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Mechanical and climatic conditions during operation	
Climatic conditions in operation	
Temperature	
Min.	-25 °C ; = Tmin
max.	70 °C ; = Tmax
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	

Weight, approx. 40 g

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