SIEMENS

Data sheet

6AG1336-4GE00-4AB0

SPARE PART SIPLUS S7-300 SM336F 6AI HART FOR MEDIAL STRESS WITH CONFORMAL COATING BASED ON 6ES7336-4GE00-0AB0



Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
Input current	
From power supply L+, typ.	150 mA
from backplane bus 5 V DC, max.	90 mA
Power loss	
Power loss, typ.	4.5 W
Analog inputs	
Number of analog inputs	6
permissible input current for current input (destruction	40 mA
limit), max.	
Input ranges	
Voltage	No
Current	Yes
Input ranges (rated values), currents	
• 0 to 20 mA	Yes
 Input resistance (0 to 20 mA) 	150 Ω; typ. 150 ohms max. 175 ohms

• 4 mA to 20 mA	Yes
 Input resistance (4 mA to 20 mA) 	150 Ω; typ. 150 ohms max. 175 ohms
Cable length	
• shielded, max.	1 000 m
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
 Resolution with overrange (bit including sign), 	16 bit; 15 bit + sign
max.	20 mg @ 50 Hz, 16 7 mg @ 60 Hz
• Integration time (ms)	20 ms @ 50 Hz, 16.7 ms @ 60 Hz
 Interference voltage suppression for interference frequency f1 in Hz 	f=n x (f1+-0.5%)
Encoder	
Connection of signal encoders	
 for current measurement as 2-wire transducer 	Yes
 for current measurement as 4-wire transducer 	Yes
Errors/accuracies	
Operational error limit in overall temperature range	
• Current, relative to input range, (+/-)	0.2 %; 40 μA
Basic error limit (operational limit at 25 °C)	
• Current, relative to input range, (+/-)	0.1 %
Interrupts/diagnostics/status information Diagnostic functions	Yes
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic information readable	Yes
Diagnostics indication LED	
Fail-safe operation	Yes
Group error SF (red)	Yes
Encoder supply Vs (green)	No
Potential separation	
Potential separation analog inputs	
between the channels	Yes
 between the channels and backplane bus 	Yes
• between the channels and the power supply of	Yes
the electronics	
Isolation	
Isolation tested with	370V for 1 min
Standards, approvals, certificates	
Standards, approvals, certificates CE mark	Yes

UL approval	Yes; File E239877	
FM approval	Yes	
RCM (formerly C-TICK)	Yes	
KC approval	Yes	
EAC (formerly Gost-R)	Yes	
Highest safety class achievable in safety mode		
• acc. to EN 954	4	
• SIL acc. to IEC 61508	SIL 3	

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C; = Tmin
• max.	60 °C; = Tmax
Ambient temperature during storage/transportation	
● min.	-40 °C
• max.	70 °C
Extended ambient conditions	
 relative to ambient temperature-atmospheric pressure-installation altitude 	Tmin Tmax at 1080 hPa 795 hPa (-1000 m +2000 m)
Relative humidity	
 — With condensation, tested in accordance with IEC 60068-2-38, max. 	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
 — against biologically active substances / conformity with EN 60721-3-3 	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
 against 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!
 against 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!
Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Veights	
Weight, approx.	350 g
	00/04/00/17

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