SIEMENS

Data sheet

6AG1055-1CB00-7BA2



SIPLUS LOGO! DM8 24 based on 6ED1055-1CB00-0BA2 with conformal coating, -40...+70 °C, start up -25 °C, expansion module, power supply / l/O: 24 V/24 V/trans., 4 Dl/4 DQ for LOGO! 8

Figure similar

Installation type/mounting		
Mounting	on 35 mm DIN rail, 2 spacing units wide	
Supply voltage		
Rated value (DC)		
• 24 V DC	Yes	
permissible range, lower limit (DC)	20.4 V	
permissible range, upper limit (DC)	28.8 V	
Digital inputs		
Number of digital inputs	4	
Input voltage		
 Type of input voltage 	DC	
● for signal "0"	< 5 V DC	
• for signal "1"	> 12 V DC	
Input current		
for signal "0", max. (permissible quiescent current)	0.88 mA	
● for signal "1", typ.	4 mA	
Input delay (for rated value of input voltage)		
for standard inputs		
— at "0" to "1", max.	1.5 ms	
— at "1" to "0", max.	1.5 ms	
Digital outputs		
Number of digital outputs	4	
Short-circuit protection	Yes	
Output current		
● for signal "1" rated value	0.3 A	
Parallel switching of two outputs		
for uprating	No	
Switching frequency		
with resistive load, max.	10 Hz	
with inductive load, max.	0.5 Hz	
Relay outputs		
Switching capacity of contacts		
— Thermal continuous current, max.	0.3 A	
EMC		
Emission of radio interference acc. to EN 55 011		
 Limit class B, for use in residential areas 	Yes	
Degree and class of protection		
IP degree of protection	IP20	

Ambient conditions	
Ambient temperature during operation	
• min.	-40 °C; = Tmin; Startup @ -25 °C
• max.	70 °C; Tmax; Tmax > +55 °C max. load 0.2 A per output
At cold restart, min.	-25 °C; incl. condensation / frost permitted (no commissioning under
	condensation conditions)
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	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	
 With condensation, tested in accordance with IEC 60068-2-38, max. 	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
Resistance	
Coolants and lubricants	
 Resistant to commercially available coolants and lubricants 	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
 to biologically active substances according to EN 60721-3-3 	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
 to chemically active substances according to EN 60721-3-3 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
 to mechanically active substances according to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
 to biologically active substances according to EN 60721-3-6 	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
 to chemically active substances according to EN 60721-3-6 	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
 to mechanically active substances according to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust; *
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
Dimensions	
Width	35.5 mm
Height	90 mm
Depth	58 mm
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