



SIPLUS LOGO! AM2 RTD based on 6ED1055-1MD00-0BA2 with conformal coating, -40...+70 °C, start up -25 °C, extension module, PS: 12/24 V DC, 2 AI - 50...+200 °C Pt100/1000 for LOGO! 8

General information	
based on	<a href="#">6ED1055-1MD00-0BA2</a>
Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	
• 12 V DC	Yes; 10.8 V DC to 28.8 V DC
• 24 V DC	Yes; 10.8 V DC to 28.8 V DC
Input current	
Current consumption, typ.	30 mA
Analog inputs	
Number of analog inputs	2; 2 or 3 wire connection
Input ranges	
• Voltage	No
• Current	No
• Resistance thermometer	Yes; For PT100/PT1000 sensors
Input ranges (rated values), voltages	
• 0 to +10 V	No
Input ranges (rated values), currents	
• 0 to 20 mA	No
Input ranges (rated values), resistance thermometer	
• Pt 100	Yes
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
Standards, approvals, certificates	
Ecological footprint	
• environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	16.5 kg
— global warming potential, (during production) [CO2 eq]	3.22 kg
— global warming potential, (during operation) [CO2 eq]	13.4 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.124 kg
Ambient conditions	
Ambient temperature during operation	
• min.	-40 °C; = Tmin; Startup @ -25 °C

<ul style="list-style-type: none"><li>• max.</li><li>• At cold restart, min.</li></ul>	70 °C; = Tmax -25 °C; incl. condensation / frost permitted (no commissioning under condensation conditions)		
Altitude during operation relating to sea level			
<ul style="list-style-type: none"><li>• Installation altitude above sea level, max.</li><li>• Ambient air temperature-barometric pressure-altitude</li></ul>	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) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)		
Relative humidity			
<ul style="list-style-type: none"><li>• With condensation, tested in accordance with IEC 60068-2-38, max.</li></ul>	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation		
Resistance			
Coolants and lubricants			
<ul style="list-style-type: none"><li>— Resistant to commercially available coolants and lubricants</li></ul>	Yes; Incl. diesel and oil droplets in the air		
Use in stationary industrial systems			
<ul style="list-style-type: none"><li>— to biologically active substances according to EN 60721-3-3</li><li>— to chemically active substances according to EN 60721-3-3</li><li>— to mechanically active substances according to EN 60721-3-3</li></ul>	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, *		
Use on ships/at sea			
<ul style="list-style-type: none"><li>— to biologically active substances according to EN 60721-3-6</li><li>— to chemically active substances according to EN 60721-3-6</li><li>— to mechanically active substances according to EN 60721-3-6</li></ul>	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; *		
Usage in industrial process technology			
<ul style="list-style-type: none"><li>— Against chemically active substances acc. to EN 60654-4</li><li>— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li></ul>	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)		
Remark			
<ul style="list-style-type: none"><li>— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li></ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!		
Conformal coating			
<ul style="list-style-type: none"><li>• Coatings for printed circuit board assemblies acc. to EN 61086</li><li>• Protection against fouling acc. to EN 60664-3</li><li>• Military testing according to MIL-I-46058C, Amendment 7</li><li>• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li></ul>	Yes; Class 2 for high reliability Yes; Type 1 protection Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A		
Dimensions			
Width	35.5 mm		
Height	90 mm		
Depth	58 mm		
Classifications			
		Version	Classification
	eClass	14	27-24-22-01
	eClass	12	27-24-22-01
	eClass	9.1	27-24-22-01
	eClass	9	27-24-22-01
	eClass	8	27-24-22-01
	eClass	7.1	27-24-22-01
	eClass	6	27-24-22-01
	ETIM	10	EC001420
	ETIM	9	EC001420
	ETIM	8	EC001420
	ETIM	7	EC001420

IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	EMV
--------------------------	-----



[Manufacturer Declaration](#)



[China RoHS](#)



Environment



last modified:

10/9/2024