6ED1055-1MD00-0BA2

Data sheet



LOGO! AM2 RTD expansion module, PS: 12/24 V DC, 2AI-50...+200°/C Pt100/1000 for LOGO! 8

Mounting	Installation type/mounting		
Rated value (DC) • 12 V DC • 24 V DC Tyes; 10.8 V DC to 28.8 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 • Voltage • Current • Resistance thermometer Input ranges (rated values), voltages • 0 to +10 V Input ranges (rated values), currents • 0 to 20 mA Input ranges (rated values), resistance thermometer • Pt 100 Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Pegree and class of protection IP degree of protection IP degree of protection IP degree of protection IP 20 Standards, approvals, certificates CE mark Yes CSA approval Yes FM approval Yes Hes Geveloped in accordance with IEC 61131 Yes	Mounting	on 35 mm DIN rail, 2 spacing units wide	
12 V DC • 24 V DC • 24 V DC Yes; 10.8 V DC to 28.8 V DC Yes; 10.8 V DC to 28.8 V DC Input current Current consumption, typ. Analog inputs Number of analog inputs 2; 2 or 3 wire connection Input ranges • Voltage No • Current No • Resistance thermometer No Input ranges (rated values), voltages • 0 to +10 V Input ranges (rated values), currents • 0 to 20 mA 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 IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval Yes FM approval Yes GNA developed in accordance with IEC 61131 Yes	Supply voltage		
Yes; 10.8 V DC to 28.8 V DC Input current Current consumption, typ. 30 mA Analog Inputs Number of analog inputs Voltage Voltage Voltage Resistance thermometer Resistance trade values), voltages 0 to +10 V Input ranges (rated values), currents 0 to 20 mA 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 Pegree and class of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark Yes CSA approval Yes FM approval Yes developed in accordance with IEC 61131 Yes	Rated value (DC)		
Input current Current consumption, typ. 30 mA Analog inputs Number of analog inputs 2; 2 or 3 wire connection Input ranges • Voltage 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 IP degree of protection IP degree of protection Ves CE mark Yes CSA approval Ves FM approval Yes FM approval Tyes developed in accordance with IEC 61131 Yes	• 12 V DC	Yes; 10.8 V DC to 28.8 V DC	
Current consumption, typ. Analog inputs Number of analog inputs 1	• 24 V DC	Yes; 10.8 V DC to 28.8 V DC	
Number of analog inputs Number of analog inputs 2; 2 or 3 wire connection Input ranges • Voltage • Current • Resistance thermometer 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 Pegree and class of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark Yes CSA approval UL approval Pegs FM approval Aves developed in accordance with IEC 61131 Yes	Input current		
Number of analog inputs 2; 2 or 3 wire connection Input ranges • Voltage • Current • Resistance thermometer 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 Pegree and class of protection IP degree of protection IP degree of protection IP degree of protection IP 20 Standards, approvals, certificates CE mark CSA approval UL approval Yes FM approval developed in accordance with IEC 61131 Yes	Current consumption, typ.	30 mA	
Input ranges • Voltage • Current • Resistance thermometer Input ranges (rated values), voltages • 0 to +10 V Input ranges (rated values), currents • 0 to 20 mA Input ranges (rated values), resistance thermometer • Pt 100 Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Degree and class of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval UL approval FM approval developed in accordance with IEC 61131 Yes	Analog inputs		
Voltage Current No Resistance thermometer Yes; For PT100/PT1000 sensors Input ranges (rated values), voltages o to +10 V No Input ranges (rated values), currents o to 20 mA No Input ranges (rated values), resistance thermometer o Pt 100 Yes EMC Emission of radio interference acc. to EN 55 011 o Limit class B, for use in residential areas Yes Degree and class of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 Yes	Number of analog inputs	2; 2 or 3 wire connection	
Current 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 IP degree of protection IP degree of protection Ves CE mark Yes CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 Yes	Input ranges		
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 IP degree of protection IP 20 Standards, approvals, certificates CE mark Yes CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 Yes	 Voltage 	No	
Input ranges (rated values), voltages • 0 to +10 V Input ranges (rated values), currents • 0 to 20 mA 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 Pegree and class of protection IP degree of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval Yes UL approval Yes FM approval Yes FM approval developed in accordance with IEC 61131 Yes	 Current 	No	
● 0 to +10 V 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 IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 Yes	Resistance thermometer	Yes; For PT100/PT1000 sensors	
Input ranges (rated values), currents • 0 to 20 mA Input ranges (rated values), resistance thermometer • Pt 100 Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Pegree and class of protection IP degree of protection IP degree of protection IP20 Standards, approvals, certificates CE mark CSA approval Yes UL approval Yes FM approval Yes developed in accordance with IEC 61131 Yes	Input ranges (rated values), voltages		
● 0 to 20 mA 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 Pegree and class of protection IP degree of protection IP degree of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval Yes UL approval Yes FM approval Yes developed in accordance with IEC 61131 Yes	• 0 to +10 V	No	
Input ranges (rated values), resistance thermometer ● Pt 100 Emission of radio interference acc. to EN 55 011 ● Limit class B, for use in residential areas Pegree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark CSA approval UL approval Ves UL approval Yes FM approval developed in accordance with IEC 61131 Yes	Input ranges (rated values), currents		
● 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 IP degree of protection IP degree of protection Ves CE mark CE mark Yes CSA approval Yes UL approval Yes FM approval Yes developed in accordance with IEC 61131 Yes	• 0 to 20 mA	No	
Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Pegree and class of protection IP degree of protection IP degree of protection IP degree of protection Ves CE mark CSA approval Ves UL approval Yes FM approval developed in accordance with IEC 61131 Yes	Input ranges (rated values), resistance thermometer		
Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Pegree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark CSA approval Ves UL approval FM approval FM approval developed in accordance with IEC 61131 Yes	• Pt 100	Yes	
● Limit class B, for use in residential areas Degree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark CSA approval UL approval FM approval FM approval developed in accordance with IEC 61131 Yes	EMC		
Degree and class of protection IP degree of protection Standards, approvals, certificates CE mark CSA approval UL approval FM approval Yes developed in accordance with IEC 61131 Yes	Emission of radio interference acc. to EN 55 011		
IP degree of protection Standards, approvals, certificates CE mark CSA approval UL approval FM approval developed in accordance with IEC 61131 IP20 IP20 Yes Yes Yes Yes Yes Yes Yes	 Limit class B, for use in residential areas 	Yes	
Standards, approvals, certificates CE mark CSA approval UL approval FM approval developed in accordance with IEC 61131 Yes Yes Yes Yes	Degree and class of protection		
CE mark Yes CSA approval Yes UL approval Yes FM approval Yes developed in accordance with IEC 61131 Yes	IP degree of protection	IP20	
CSA approval UL approval FM approval developed in accordance with IEC 61131 Yes Yes Yes	Standards, approvals, certificates		
UL approval Yes FM approval Yes developed in accordance with IEC 61131 Yes	CE mark	Yes	
FM approval Yes developed in accordance with IEC 61131 Yes	CSA approval	Yes	
developed in accordance with IEC 61131 Yes	UL approval	Yes	
·	FM approval	Yes	
	developed in accordance with IEC 61131	Yes	
Marine approval Yes	Marine approval	Yes	
Ambient conditions	Ambient conditions		
Ambient temperature during operation	Ambient temperature during operation		
• min. 0 °C; ES03 and higher: -20 °C	• min.	0 °C; ES03 and higher: -20 °C	
• max. 55 °C	• max.	55 °C	
Dimensions	Dimensions		
Width 35.5 mm	Width	35.5 mm	

Height	90 mm
Depth	58 mm

last modified: 3/12/2021 🖸