



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

| 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                       |   |
| CE mark  | Yes                                     |
| CSA approval   | Yes                                     |
| UL approval  | Yes                                     |
| FM approval  | Yes                                     |
| developed in accordance with IEC 61131                   | Yes                                     |
| Marine approval  | Yes                                     |
| 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. -20 °C; No condensation
- max. 55 °C

### 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   | 9       | EC001420       |
| ETIM   | 8       | EC001420       |
| ETIM   | 7       | EC001420       |
| IDEA   | 4       | 3562           |
| UNSPSC | 15      | 32-15-17-05    |

### Approvals / Certificates

#### General Product Approval

[Manufacturer Declaration](#)



[KC](#)



General Product Approval

EMV

[BIS CRS](#)



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