



Figure similar

SIPLUS LOGO! AM2 AQ based on 6ED1055-1MM00-0BA2 with conformal coating, -40...+70 °C, start up -25 °C, expansion module, PS: 24 V DC, 2 AQ, 0-10 V, 0/4-20 mA for LOGO! 8

| General information                                            |                                                                                               |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| based on                                                       | <a href="#">6ED1055-1MM00-0BA2</a>                                                            |
| Installation type/mounting                                     |                                                                                               |
| Mounting                                                       | on 35 mm DIN rail, 2 spacing units wide                                                       |
| Supply voltage                                                 |                                                                                               |
| Rated value (DC)                                               | 24 V                                                                                          |
| Analog outputs                                                 |                                                                                               |
| Number of analog outputs                                       | 2                                                                                             |
| Output ranges, voltage                                         |                                                                                               |
| • 0 to 10 V                                                    | Yes                                                                                           |
| Output ranges, current                                         |                                                                                               |
| • 0 to 20 mA                                                   | Yes                                                                                           |
| • 4 mA to 20 mA                                                | 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                                                              |
| • max.                                                         | 70 °C; = Tmax                                                                                 |
| • 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                |                                                                                               |

|                                                                                                                                                                         |                                                                                                                                                                                                                                |         |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|
| <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<br><br>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></ul>                                                           | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request                                                                                                                             |         |                |
| <ul style="list-style-type: none"><li>— to chemically active substances according to EN 60721-3-3</li></ul>                                                             | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *                                                                                                                                       |         |                |
| <ul style="list-style-type: none"><li>— to mechanically active substances according to EN 60721-3-3</li></ul>                                                           | 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></ul>                                                           | Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request                                                                                                                                                  |         |                |
| <ul style="list-style-type: none"><li>— to chemically active substances according to EN 60721-3-6</li></ul>                                                             | Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *                                                                                                                                       |         |                |
| <ul style="list-style-type: none"><li>— to mechanically active substances according to EN 60721-3-6</li></ul>                                                           | 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></ul>                                                               | Yes; Class 3 (excluding trichlorethylene)                                                                                                                                                                                      |         |                |
| <ul style="list-style-type: none"><li>— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li></ul>                            | 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></ul>                                                        | Yes; Class 2 for high reliability                                                                                                                                                                                              |         |                |
| <ul style="list-style-type: none"><li>• Protection against fouling acc. to EN 60664-3</li></ul>                                                                         | Yes; Type 1 protection                                                                                                                                                                                                         |         |                |
| <ul style="list-style-type: none"><li>• Military testing according to MIL-I-46058C, Amendment 7</li></ul>                                                               | Yes; Discoloration of coating possible during service life                                                                                                                                                                     |         |                |
| <ul style="list-style-type: none"><li>• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li></ul> | 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](#)

  
EG-Konf.



[China RoHS](#)

  
UL

[KC](#)

|     |             |
|-----|-------------|
| EMV | Environment |
|-----|-------------|



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10/9/2024 