

SIPLUS LOGO! AM2 -40...+70 °C with conformal coating based on 6ED1055-1MA00-0BA0

| Installation type/mounting                       |   |
|--|---|
| Mounting   | on 35 mm DIN rail, 2 spacing units wide |
| Supply voltage                                   |   |
| Rated value (DC)                                 |   |
| • 12 V DC  | Yes                                     |
| • 24 V DC  | Yes                                     |
| Analog inputs                                    |   |
| Number of analog inputs                          | 2                                       |
| Input ranges                                     |   |
| • Voltage  | Yes                                     |
| • Current  | Yes                                     |
| • Resistance thermometer                         | No                                      |
| Input ranges (rated values), voltages            |   |
| • 0 to +10 V                                     | Yes                                     |
| Input ranges (rated values), currents            |   |
| • 0 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                   |   |
| Degree of protection acc. to EN 60529            |   |
| • IP20   | Yes                                     |
| Standards, approvals, certificates               |   |
| CSA approval                                     | No                                      |
| UL approval                                      | Yes; File: E120869 // Tmax = 55 °C      |
| FM approval                                      | No                                      |
| developed in accordance with IEC 61131           | Yes                                     |
| according to VDE 0631                            | Yes                                     |
| Marine approval                                  | No                                      |
| Ambient conditions                               |   |
| Ambient temperature during operation             |   |
| • min.   | -40 °C; = Tmin                          |
| • max.   | 70 °C; = Tmax; 55 °C @ UL/cUL use       |

|   |   |
|---|---|
| <b>Altitude during operation relating to sea level</b>  |   |
| <ul style="list-style-type: none"> <li>• Installation altitude above sea level, max.</li> <li>• Ambient air temperature-barometric pressure-altitude</li> </ul> | <p>5 000 m</p> <p>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)</p> |
| <b>Relative humidity</b>  |   |
| <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 permitted (no commissioning in bedewed state)  |
| <b>Resistance</b>   |   |
| <b>Use in stationary industrial systems</b>   |   |
| — 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, *  |
| <b>Use on ships/at sea</b>  |   |
| — 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; *  |
| <b>from supply voltage 1L+</b>  |   |
| — Note regarding classification of environmental conditions acc. to EN 60721  | * The supplied plug covers must remain in place over the unused interfaces during operation!  |
| <b>Dimensions</b>   |   |
| Width   | 36 mm   |
| Height  | 90 mm   |
| Depth   | 55 mm   |
| <b>last modified:</b>   | 05/19/2018  |