

SIPLUS LOGO! 12/24RC -25...+70 °C with conformal coating based on 6ED1052-1MD00-0BA6



|                                     |  |   |
|-------------------------------------|--|---|
| Display                             |  |   |
| with display                        |  | Yes; The display is bright at temperatures below 0 °C and dark at temperatures over +55 °C. This procedure is self-reversing on returning to the standard temperature range (0 °C to +55 °C). |
| Installation type/mounting          |  |   |
| Mounting                            |  | on 35 mm DIN rail, 4 spacing units wide   |
| Supply voltage                      |  |   |
| Rated value (DC)                    |  |   |
| • 12 V DC                           |  | Yes   |
| • 24 V DC                           |  | Yes   |
| permissible range, lower limit (DC) |  | 10.8 V; 11 V @ >55 °C   |
| permissible range, upper limit (DC) |  | 28.8 V; 27.5 V @ >55 °C   |
| Time of day                         |  |   |
| Time switching clocks               |  |   |
| • Number                            |  | 8   |
| • Power reserve                     |  | 80 h  |
| Digital inputs                      |  |   |

|   |   |
|---|---|
| Number of digital inputs  | 8; Of which 4 can be used in analog mode (0 to 10 V)  |
| <b>Digital outputs</b>  |   |
| Number of digital outputs   | 4; Relays   |
| Short-circuit protection  | No; external fusing necessary   |
| <b>Relay outputs</b>  |   |
| Switching capacity of contacts                                      |   |
| — with inductive load, max.   | 3 A; 1 A per relay @ > 55 °C; 3 A per relay @ > 55 °C & < 15 s  |
| — with resistive load, max.   | 10 A; 3 A per relay @ > 55 °C; 10 A per relay @ > 55 °C & < 15 s  |
| <b>EMC</b>  |   |
| Emission of radio interference acc. to EN 55 011                    |   |
| • Limit class B, for use in residential areas                       | Yes   |
| <b>Degree and class of protection</b>                               |   |
| Degree of protection acc. to EN 60529                               |   |
| • IP20  | Yes   |
| <b>Standards, approvals, certificates</b>                           |   |
| 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  |
| <b>Ambient conditions</b>   |   |
| Ambient temperature during operation                                |   |
| • min.  | -25 °C; = Tmin  |
| • max.  | 70 °C; = Tmax; 55 °C @ UL/cUL use   |
| Altitude during operation relating to sea level                     |   |
| • Installation altitude above sea level, max.                       | 5 000 m   |
| • Ambient air temperature-barometric pressure-altitude              | 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   |   |
| • With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state)  |
| <b>Resistance</b>   |   |
| Use in stationary industrial systems                                |   |
| — 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, *  |

|  |  |
|--|--|
| Use on ships/at sea  |  |
| — 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 6C4 (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 6S4 incl. sand, dust; *   |
| from supply voltage 1L+  |  |
| — Note regarding classification of environmental conditions acc. to EN 60721 | * The supplied plug covers must remain in place over the unused interfaces during operation! |

| Dimensions            |            |
|-----------------------|------------|
| Width                 | 72 mm      |
| Height                | 90 mm      |
| Depth                 | 55 mm      |
| <b>last modified:</b> | 04/06/2018 |