Data sheet



Figure similar

SIPLUS LOGO! 12/24RCE -20 ... +70°C start up -20°C with conformal coating based on 6ED1052-1MD08-0BA0 . Logikmodul, Display SV/E/A: 24V/24V/24V trans., 8DE (4AE)/4DA, SP. 400 blocks, modular erweiterbar, Ethernet integr. Web-Server, Datalog, benutzerdefinierte Web-Seiten, Standard microSD-Karte für LOGO! Soft Comfort ab V8, ältere Projekte ablauffähig

| Display | | |
|-------------------------------------|--|--|
| with display | Yes; The legibility and response time of the display may be reduced or lengthened at temperatures outside 0 +55 °C. These effects are self-reversing on return to the normal temperature range of 0 +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 | |
| permissible range, upper limit (DC) | 28.8 V | |
| Time of day | | |
| Time switching clocks | | |
| Number | 400; Max. 400, function-specific | |

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| • Dower receive | 480 h |
|---|---|
| Power reserve | 400 11 |
| Digital inputs | |
| Number of digital inputs | 8; Of which 4 can be used in analog mode (0 to 10 V) |
| Digital outputs | |
| Number of digital outputs | 4; Relays |
| Short-circuit protection | No; external fusing necessary |
| Output current | |
| for signal "1" permissible range for 0 to 55 °C, max. | 10 A |
| Relay outputs | |
| Switching capacity of contacts | |
| — with inductive load, max. | 3 A |
| — with resistive load, max. | 10 A |
| EMC | |
| Emission of radio interference acc. to EN 55 011 | |
| Limit class B, for use in residential areas | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | -25 °C; = Tmin; Startup @ -20 °C |
| • max. | 70 °C; Tmax; Tmax > +55 °C max. load 1 A per relay or max. load 3 A per relay and half the number of DIs (no adjacent points) |
| • At cold restart, min. | -20 °C; incl. condensation / frost permitted (no commissioning under condensation conditions) |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| ● max. | 70 °C |

| • *** | 70 °C |
|--------|-------|
| • max. | 70 C |

Altitude during operation relating to sea level

| • Installation altitude above sea level, max. | 5 000 m |
|---|---|
| Ambient air temperature-barometric pressure- | Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // |
| altitude | 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 (no commissioning in bedewed state), horizontal installation

Resistance

Coolants and lubricants

- Resistant to commercially available coolants and lubricants

Yes; Incl. diesel and oil droplets in the air

Use in stationary industrial systems

— to biologically active substances according to EN 60721-3-3

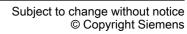
Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request



| 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 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; * |
| Usage in industrial process technology | |
| Against chemically active substances acc. to EN 60654-4 | Yes; Class 3 (excluding trichlorethylene) |
| Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 | 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 | |
| Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 | * The supplied plug covers must remain in place over the unused interfaces during operation! |
| Conformal coating | |
| Coatings for printed circuit board assemblies acc. to EN 61086 | Yes; Class 2 for high reliability |
| Protection against fouling acc. to EN 60664-3 | Yes; Type 1 protection |
| Military testing according to MIL-I-46058C, Amendment 7 | Yes; Discoloration of coating possible during service life |
| Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | Yes; Conformal coating, Class A |
| Dimensions | |
| Width | 71.5 mm |
| Height | 90 mm |
| Depth | 60 mm |

09/24/2020





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6AG1052-1MD08-7BA0

last modified: