




SIPLUS ET 200S PM-E DC 24V with diagnostics based on 6ES7138-4CA01-0AA0 with conformal coating, -40...+70 °C,

| Supply voltage  |  |
|---|--|
| Load voltage L+   |  |
| <ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>Short-circuit protection</li> <li>Reverse polarity protection</li> </ul>                   | 24 V<br>No; external (e.g. automatic circuit breaker), tripping characteristic C<br>Yes  |
| Input current   |  |
| from load voltage L+ (without load), max.   | 4 mA   |
| Current carrying capacity   |  |
| up to 60 °C, max.   | 10 A   |
| Power loss  |  |
| Power loss, typ.  | 0.1 W  |
| Interrupts/diagnostics/status information   |  |
| Diagnoses   |  |
| <ul style="list-style-type: none"> <li>missing load voltage</li> </ul>  | Yes  |
| Diagnostics indication LED  |  |
| <ul style="list-style-type: none"> <li>Rated load voltage PWR (green)</li> <li>Group error SF (red)</li> </ul>  | Yes<br>Yes   |
| Parameter   |  |
| Remark  | 3 byte   |
| missing load voltage  | Disable / enable   |
| Potential separation  |  |
| primary/secondary   | Yes; between rated load voltage and backplane bus, between power modules   |
| Isolation   |  |
| Isolation tested with   | 500 V DC   |
| Standards, approvals, certificates  |  |
| CE mark   | Yes  |
| UL approval   | Yes  |
| Ambient conditions  |  |
| Ambient temperature during operation  |  |
| <ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>  | -40 °C; = Tmin<br>70 °C; = Tmax  |
| 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>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 permitted (no commissioning in bedewed state)   |

| Resistance  |   |
|---|---|
| <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>Usage in industrial process technology</b>   |   |
| — 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) |
| <b>Remark</b>   |   |
| — 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!  |
| Dimensions  |   |
| Width   | 15 mm   |
| Height  | 81 mm   |
| Depth   | 52 mm   |
| Weights   |   |
| Weight, approx.   | 35 g  |
| <b>last modified:</b>   | 12/18/2020   |