## SIEMENS

## Data sheet

## 6AG1221-1BH32-4XB0



SIPLUS S7-1200 SM 1221 16DI, based on 6ES7221-1BH32-0XB0 with conformal coating, -20...+60  $^\circ\text{C},$  16 DI, 24 V DC, sink/source

| Figure | similar |
|--------|---------|
|--------|---------|

| General information  |  |
|--|--|
| Product type designation   | SM 1221, DI 16x24 V DC   |
| based on   | 6ES7221-1BH32-0XB0   |
| Supply voltage   |  |
| Rated value (DC)   | 24 V   |
| permissible range, lower limit (DC)                                      | 20.4 V   |
| permissible range, upper limit (DC)                                      | 28.8 V   |
| Input current  |  |
| from backplane bus 5 V DC, max.  | 130 mA   |
| Digital inputs   |  |
| <ul> <li>from load voltage L+ (without load), max.</li> </ul>            | 4 mA; per channel  |
| output voltage / header  |  |
| supply voltage of the transmitters / header                              |  |
| • present  | Yes  |
| Power loss   |  |
| Power loss, typ.   | 2.5 W  |
| Digital inputs   |  |
| Number of digital inputs   | 16   |
| • in groups of   | 4  |
| Input characteristic curve in accordance with IEC 61131, type 1          | Yes  |
| Number of simultaneously controllable inputs                             |  |
| all mounting positions   |  |
| — up to 40 °C, max.  | 16   |
| horizontal installation  |  |
| — up to 40 °C, max.  | 16   |
| — up to 50 °C, max.  | 16   |
| vertical installation  |  |
| — up to 40 °C, max.  | 16   |
| Input voltage  |  |
| • Rated value (DC)   | 24 V   |
| <ul> <li>for signal "0"</li> </ul>                                       | 5 V DC at 1 mA   |
| ● for signal "1"   | 15 V DC at 2.5 mA  |
| Input current  |  |
| <ul> <li>for signal "0", max. (permissible quiescent current)</li> </ul> | 1 mA   |
| <ul> <li>for signal "1", min.</li> </ul>                                 | 2.5 mA   |
| ● for signal "1", typ.   | 4 mA   |
| Input delay (for rated value of input voltage)                           |  |
| for standard inputs  |  |
| — parameterizable  | Yes; 0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in |

|   | groups of four   |
|---|--|
| for interrupt inputs  |  |
| — parameterizable   | Yes  |
| Cable length  |  |
| <ul> <li>shielded, max.</li> </ul>  | 500 m  |
| • unshielded, max.  | 300 m  |
| Interrupts/diagnostics/status information   |  |
| Diagnostics function  | Yes  |
| Alarms  |  |
| Diagnostic alarm  | Yes  |
| Diagnoses   |  |
| <ul> <li>Monitoring the supply voltage</li> </ul>   | Yes  |
| Diagnostics indication LED  |  |
| <ul> <li>for status of the inputs</li> </ul>  | Yes  |
| for maintenance   | Yes  |
| Potential separation  |  |
| Potential separation digital inputs   |  |
| <ul> <li>between the channels, in groups of</li> </ul>  | 4  |
| 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]  | 123 kg   |
| <ul> <li>global warming potential, (during production) [CO2<br/>eq]</li> </ul>  | 12.1 kg  |
| — global warming potential, (during operation) [CO2<br>eq]  | 111 kg   |
| — global warming potential, (after end of life cycle)<br>[CO2 eq]   | -0.434 kg  |
| Ambient conditions  |  |
|   |  |
| Free fall   |  |
|   | 0.3 m; five times, in product package  |
| Free fall   | 0.3 m; five times, in product package  |
| Free fall<br>• Fall height, max.  | 0.3 m; five times, in product package<br>-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C  |
| Free fall <ul> <li>Fall height, max.</li> </ul> Ambient temperature during operation  |  |
| Free fall <ul> <li>Fall height, max.</li> </ul> Ambient temperature during operation <ul> <li>min.</li> </ul>   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C   |
| Free fall <ul> <li>Fall height, max.</li> </ul> Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> </ul>   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax  |
| Free fall <ul> <li>Fall height, max.</li> </ul> Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> <li>At cold restart, min.</li> </ul>  | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax  |
| Free fall  Free fall  Fall height, max.  Ambient temperature during operation  min.  max.  At cold restart, min.  Ambient temperature during storage/transportation   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C  |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         • Max.         Attitude during operation relating to sea level   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Attitude during operation relating to sea level         • Installation altitude above sea level, max.  | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m  |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         • Max.         Attitude during operation relating to sea level   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Attitude during operation relating to sea level         • Installation altitude above sea level, max.  | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • min.         • min.         • min.         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)<br>at 658 hPa 540 hPa (+3 500 m +5 000 m)<br>100 %; RH incl. condensation/frost (no commissioning under condensation  |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Attitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-2-38, max.   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)<br>at 658 hPa 540 hPa (+3 500 m +5 000 m)<br>100 %; RH incl. condensation/frost (no commissioning under condensation  |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • min.         • max.         Attitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-2-38, max.         Resistance   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)<br>at 658 hPa 540 hPa (+3 500 m +5 000 m)<br>100 %; RH incl. condensation/frost (no commissioning under condensation  |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-<br>2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and<br>lubricants         Use in stationary industrial systems  | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)<br>at 658 hPa 540 hPa (+3 500 m +5 000 m)<br>100 %; RH incl. condensation/frost (no commissioning under condensation<br>conditions)   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Attitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and lubricants  | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)<br>at 658 hPa 540 hPa (+3 500 m +5 000 m)<br>100 %; RH incl. condensation/frost (no commissioning under condensation<br>conditions)   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and lubricants         Use in stationary industrial systems         — to biologically active substances according to EN   | -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C<br>60 °C; = Tmax<br>0 °C<br>-40 °C<br>70 °C<br>5 000 m<br>Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax<br>- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K)<br>at 658 hPa 540 hPa (+3 500 m +5 000 m)<br>100 %; RH incl. condensation/frost (no commissioning under condensation<br>conditions)<br>Yes<br>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna);   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-<br>2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and<br>lubricants         Use in stationary industrial systems         — to biologically active substances according to EN<br>60721-3-3         — to chemically active substances according to EN   | <ul> <li>-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C</li> <li>60 °C; = Tmax</li> <li>0 °C</li> <li>-40 °C</li> <li>70 °C</li> <li>5 000 m</li> <li>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)</li> <li>100 %; RH incl. condensation/frost (no commissioning under condensation conditions)</li> <li>Yes</li> <li>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</li> <li>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity</li> </ul>   |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-<br>2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and<br>lubricants         Use in stationary industrial systems         — to biologically active substances according to EN<br>60721-3-3         — to chemically active substances according to EN<br>60721-3-3         — to mechanically active substances according to EN<br>60721-3-3   | <ul> <li>-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C</li> <li>60 °C; = Tmax</li> <li>0 °C</li> <li>-40 °C</li> <li>70 °C</li> <li>5 000 m</li> <li>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)</li> <li>100 %; RH incl. condensation/frost (no commissioning under condensation conditions)</li> <li>Yes</li> <li>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</li> <li>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> </ul>  |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Attitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-<br>2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and<br>lubricants         Use in stationary industrial systems         — to biologically active substances according to EN<br>60721-3-3         — to chemically active substances according to EN<br>60721-3-3         — to mechanically active substances according to EN<br>60721-3-3   | <ul> <li>-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C</li> <li>60 °C; = Tmax</li> <li>0 °C</li> <li>-40 °C</li> <li>70 °C</li> <li>5 000 m</li> <li>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)</li> <li>100 %; RH incl. condensation/frost (no commissioning under condensation conditions)</li> <li>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</li> <li>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> <li>Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request</li> </ul> |
| Free fall         • Fall height, max.         Ambient temperature during operation         • min.         • max.         • At cold restart, min.         Ambient temperature during storage/transportation         • min.         • max.         Altitude during operation relating to sea level         • Installation altitude above sea level, max.         • Ambient air temperature-barometric pressure-altitude         Relative humidity         • With condensation, tested in accordance with IEC 60068-2-38, max.         Resistance         Coolants and lubricants         — Resistant to commercially available coolants and lubricants         Use in stationary industrial systems         — to biologically active substances according to EN 60721-3-3         — to mechanically active substances according to EN 60721-3-3         — to mechanically active substances according to EN 60721-3-3         — to mechanically active substances according to EN 60721-3-3         — to biologically active substances according to EN 60721-3-3         — to mechanically active substances according to EN 60721-3-3         — to mechanically active substances according to EN 60721-3-3         — to biologically active substances according to EN 60721-3-3 | <ul> <li>-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C</li> <li>60 °C; = Tmax</li> <li>0 °C</li> <li>-40 °C</li> <li>70 °C</li> <li>5 000 m</li> <li>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)</li> <li>100 %; RH incl. condensation/frost (no commissioning under condensation conditions)</li> <li>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</li> <li>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> <li>Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on</li> </ul>         |

| Approvals / Certificates         General Product Approval         Miscellaneous         Miscellaneous         Manufacture tion         EMV         For use in hazardous locations         Image: Second se |   | 6<br>9<br>8<br>7<br>4<br>15  | 27-24-22-04<br>EC001419<br>EC001419<br>3566<br>32-15-17-05<br>EMV<br>KC |  |  |
|---|---|--|---|--|--|
| General Product Approval          Miscellaneous       Manufacture         EG-Konf.       Manufacture  | ETIM<br>ETIM<br>IDEA<br>UNSPSC  | 9<br>8<br>7<br>4<br>15   | EC001419<br>EC001419<br>EC001419<br>3566<br>32-15-17-05<br>EMV          |  |  |
| General Product Approval           Miscellaneous         Manufacture           tio         tio  | ETIM<br>ETIM<br>ETIM<br>IDEA<br>UNSPSC  | 9<br>8<br>7<br>4   | EC001419<br>EC001419<br>EC001419<br>3566<br>32-15-17-05<br>EMV          |  |  |
| General Product Approval  | ETIM<br>ETIM<br>ETIM<br>IDEA<br>UNSPSC  | 9<br>8<br>7<br>4   | EC001419<br>EC001419<br>EC001419<br>3566<br>32-15-17-05<br>EMV          |  |  |
|   | ETIM<br>ETIM<br>ETIM<br>IDEA  | 9<br>8<br>7<br>4   | EC001419<br>EC001419<br>EC001419<br>3566<br>32-15-17-05                 |  |  |
|   | ETIM<br>ETIM<br>ETIM<br>IDEA  | 9<br>8<br>7<br>4   | EC001419<br>EC001419<br>EC001419<br>3566                                |  |  |
|   | ETIM<br>ETIM<br>ETIM  | 9<br>8<br>7  | EC001419<br>EC001419<br>EC001419  |  |  |
|   | ETIM<br>ETIM  | 9<br>8   | EC001419<br>EC001419  |  |  |
|   | ETIM  | 9  | EC001419  |  |  |
|   |   |  |   |  |  |
|   | eClass  | 6  | 27-24-22-04   |  |  |
|   |   |  |   |  |  |
|   | eClass  | 7.1  | 27-24-22-04   |  |  |
|   | eClass  | 8  | 27-24-22-04   |  |  |
|   | eClass  | 9  | 27-24-22-04   |  |  |
|   | eClass  | 9.1  | 27-24-22-04   |  |  |
|   | eClass  | 12   | 27-24-22-04   |  |  |
|   | eClass  | 14   | 27-24-22-04   |  |  |
|   |   | Version  | Classification  |  |  |
| Classifications   |   |  |   |  |  |
| Weight, approx.   | 210 g   |  |   |  |  |
| Depth<br>Weights  |   |  |   |  |  |
| Height Depth  | 100 mm<br>75 mm   |  |   |  |  |
| Width   | 45 mm   |  |   |  |  |
| Dimensions  |   |  |   |  |  |
| • Plastic   | Yes   |  |   |  |  |
| Enclosure material (front)  |   |  |   |  |  |
| Mechanics/material  |   |  |   |  |  |
| required front connector  | Yes   |  |   |  |  |
| CC-830A<br>connection method  |   |  |   |  |  |
| Compound for Printed Board Assemblies according to IPC  |   | res, contornal coating, class A  |   |  |  |
| <ul> <li>Military testing according to MIL-I-46058C, Amendment</li> <li>Qualification and Performance of Electrical Insulating</li> </ul>   | <ul> <li>Yes; Discoloration of coating pos<br/>Yes; Conformal coating, Class A</li> </ul> | Yes; Discoloration of coating possible during service life   |   |  |  |
| Protection against fouling acc. to EN 60664-3   | Yes; Type 1 protection  |  |   |  |  |
| 61086   | roo, class 2 for high reliability   |  |   |  |  |
| Conformal coating     Coatings for printed circuit board assemblies acc. to EN  | Yes; Class 2 for high reliability   |  |   |  |  |
| ANSI/ISA-71.04  | g op  |  |   |  |  |
| <ul> <li>— Note regarding classification of environmental<br/>conditions acc. to EN 60721, EN 60654-4 and</li> </ul>  | * The supplied plug covers must during operation!   | remain in place over th  | ne unused interfaces  |  |  |
| Remark  |   |  |   |  |  |
| and control systems acc. to ANSI/ISA-71.04  | concentrations up to the limits of  | concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil) |   |  |  |
| 60654-4<br>— Environmental conditions for process, measuring  | Yes; Level GX group A/B (exclud   | Yes; Level GX group A/B (excluding trichlorethylene; harmful gas   |   |  |  |
| — Against chemically active substances acc. to EN   | Yes; Class 3 (excluding trichlore   | Yes; Class 3 (excluding trichlorethylene)  |   |  |  |
| Usage in industrial process technology  |   |  |   |  |  |
|   |   | degree 3); *<br>Yes; Class 6S3 incl. sand, dust; *   |   |  |  |
| 60721-3-6<br>— to mechanically active substances according to EN<br>60721-3-6   |   |  |   |  |  |

last modified:

10/9/2024 🖸