

SIPLUS DP RS485 REPEATER -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7972-0AA02-0XA0 . FOR THE CONNECTION OF PROFIBUS/ MPI BUS SYSTEMS WITH MAX. 31 NODES; MAX. 12 MBIT/S, DEGREE OF PRO-TECTION IP20



Figure similar

| 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                         |                                                                                                                                  |
| Current consumption, max.             | 100 mA; 100 mA without loads at PG/OP socket; 130 mA load at PG/OP socket (5 V/90 mA); 200 mA load at PG/OP socket (24 V/100 mA) |
| Interfaces                            |                                                                                                                                  |
| PROFIBUS DP                           |                                                                                                                                  |
| • Transmission rate, max.             | 12 Mbit/s; 9.6 kbit/s to 12 Mbit/s                                                                                               |
| Degree and class of protection        |                                                                                                                                  |
| Degree of protection acc. to EN 60529 |                                                                                                                                  |
| • IP20                                | Yes                                                                                                                              |
| Ambient conditions                    |                                                                                                                                  |
| Ambient temperature during operation  |                                                                                                                                  |
| • min.                                | -25 °C                                                                                                                           |

|                                                                              |                                                                                                                                                                                                         |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • max.                                                                       | 70 °C                                                                                                                                                                                                   |
| Ambient temperature during storage/transportation                            |                                                                                                                                                                                                         |
| • min.                                                                       | -40 °C                                                                                                                                                                                                  |
| • max.                                                                       | 70 °C                                                                                                                                                                                                   |
| Extended ambient conditions                                                  |                                                                                                                                                                                                         |
| • relative to ambient temperature-atmospheric pressure-installation altitude | Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m) |
| Relative humidity                                                            |                                                                                                                                                                                                         |
| — With condensation, tested in accordance with IEC 60068-2-38, max.          | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions)                                                                                                                     |
| Resistance                                                                   |                                                                                                                                                                                                         |
| — against biologically active substances / conformity with EN 60721-3-3      | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!                                      |
| — against chemically active substances / conformity with EN 60721-3-3        | Yes; Class 3C4 incl. salt spray. The supplied connector covers must remain on the unused interfaces during operation!                                                                                   |
| — against mechanically active substances / conformity with EN 60721-3-3      | Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!                                                                                   |
| Connection method                                                            |                                                                                                                                                                                                         |
| Power supply                                                                 | Terminal block                                                                                                                                                                                          |
| Bus cables                                                                   | 2 terminal blocks                                                                                                                                                                                       |
| Dimensions                                                                   |                                                                                                                                                                                                         |
| Width                                                                        | 45 mm                                                                                                                                                                                                   |
| Height                                                                       | 128 mm                                                                                                                                                                                                  |
| Depth                                                                        | 67 mm                                                                                                                                                                                                   |
| Weights                                                                      |                                                                                                                                                                                                         |
| Weight, approx.                                                              | 350 g                                                                                                                                                                                                   |
| last modified:                                                               | 01.06.2016                                                                                                                                                                                              |