



SIMATIC DP, RS485 repeater For connection of PROFIBUS/MPI bus systems with max. 31 nodes max. baud rate 12 Mbit/s, Degree of protection IP20 Improved user handling

| 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) |
| Power loss                                          |                                                                                                                                  |
| Power loss, typ.                                    | 0.7 W                                                                                                                            |
| Interfaces                                          |                                                                                                                                  |
| PROFIBUS DP                                         |                                                                                                                                  |
| • Transmission rate, max.                           | 12 Mbit/s; 9.6 kbit/s to 12 Mbit/s                                                                                               |
| Degree and class of protection                      |                                                                                                                                  |
| IP degree of protection                             | IP20                                                                                                                             |
| Ambient conditions                                  |                                                                                                                                  |
| Ambient temperature during operation                |                                                                                                                                  |
| • min.                                              | 0 °C                                                                                                                             |
| • max.                                              | 60 °C                                                                                                                            |
| Ambient temperature during storage/transportation   |                                                                                                                                  |
| • min.                                              | -40 °C                                                                                                                           |
| • max.                                              | 70 °C                                                                                                                            |
| Relative humidity                                   |                                                                                                                                  |
| • Operation, max.                                   | 95 %; at 25 °C                                                                                                                   |
| Connection method                                   |                                                                                                                                  |
| Design of electrical connection for supply voltage  | Terminal module                                                                                                                  |
| Design of electrical connection for PROFIBUS cables | 2 terminal blocks                                                                                                                |
| Dimensions                                          |                                                                                                                                  |
| Width                                               | 45 mm                                                                                                                            |
| Height                                              | 128 mm                                                                                                                           |
| Depth                                               | 59.3 mm                                                                                                                          |
| Weights                                             |                                                                                                                                  |
| Weight, approx.                                     | 350 g                                                                                                                            |
| Classifications                                     |                                                                                                                                  |

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 16      | 27-24-26-08    |
| eClass | 14      | 27-24-26-08    |
| eClass | 12      | 27-24-26-08    |
| eClass | 9.1     | 27-24-26-08    |

|        |     |             |
|--------|-----|-------------|
| eClass | 9   | 27-24-26-08 |
| eClass | 8   | 27-24-26-08 |
| eClass | 7.1 | 27-24-26-08 |
| eClass | 6   | 27-24-26-08 |
| ETIM   | 10  | EC001604    |
| ETIM   | 9   | EC001604    |
| ETIM   | 8   | EC001604    |
| ETIM   | 7   | EC001604    |
| IDEA   | 4   | 3564        |
| UNSPSC | 15  | 32-15-17-05 |

Approvals / Certificates

General Product Approval



[Miscellaneous](#)



[Manufacturer Declaration](#)



General Product Approval



[China RoHS](#)

[Manufacturer Declaration](#)



EMV      For use in hazardous locations



[FM](#)



[Miscellaneous](#)

For use in hazardous locations      Maritime application



[CCC-Ex](#)



[KR \(Korean Register of Shipping\)](#)