




Figure similar

*** spare part *** SIMATIC DP, electronic module for ET200ECO, 4/8 F-DI PROFI-safe 24 V DC up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLe (ISO13849)

| Supply voltage | |
|---|------------------------------------|
| Rated value (DC) | 24 V |
| Reverse polarity protection | No |
| Input current | |
| from supply voltage 1L+, max. | 100 mA |
| Encoder supply | |
| Number of outputs | 2 |
| Type of output voltage | min. L+ (-1.5 V) |
| Short-circuit protection | Yes |
| Output current | |
| • Rated value | 300 mA |
| Power loss | |
| Power loss, typ. | 3 W |
| Digital inputs | |
| Number of digital inputs | 8; 8 single channel, 4 two-channel |
| Input characteristic curve in accordance with IEC 61131, type 1 | Yes |
| Number of simultaneously controllable inputs | |
| all mounting positions | |
| — up to 55 °C, max. | 8 |
| Input voltage | |
| • Rated value (DC) | 24 V |
| • for signal "0" | -30 to +5 V |
| • for signal "1" | +15 to +30 V |
| Input current | |
| • for signal "1", typ. | 3.7 mA |
| Cable length | |
| • unshielded, max. | 30 m |
| Encoder | |
| Connectable encoders | |
| • 2-wire sensor | No |
| Interfaces | |
| PROFIBUS DP | |
| • Transmission rate, max. | 12 Mbit/s |
| Protocols | |
| PROFIBUS DP | Yes |
| Interrupts/diagnostics/status information | |
| Diagnoses | |
| • Diagnostic information readable | Yes |
| Diagnostics indication LED | |

| | |
|---|---|
| • Group error SF (red) | Yes |
| • Status indicator digital input (green) | Yes |
| • Channel fault indicator F (red) | No |
| Potential separation | |
| between PROFIBUS DP and all other circuit components | Yes |
| Potential separation digital inputs | |
| • between the channels | No |
| Permissible potential difference | |
| between different circuits | 75 V DC/60 V AC |
| Isolation | |
| Isolation tested with | 500V AC for 1 minute |
| Degree and class of protection | |
| IP degree of protection | IP65/67 |
| Standards, approvals, certificates | |
| Highest safety class achievable in safety mode | |
| • acc. to EN 954 | 4 |
| • Performance level according to ISO 13849-1 | e |
| • SIL acc. to IEC 61508 | SIL 2 (single-channel), SIL 3 (two-channel) |
| connection method | |
| Design of electrical connection | 4/5-pin M12 circular connectors |
| Dimensions | |
| Width | 60 mm |
| Height | 210 mm |
| Depth | 28 mm |
| Weights | |
| Weight, approx. | 220 g |
| last modified: | 8/21/2024  |