




SIMATIC DP, Pneumatic interface for ET 200 PRO, 16 DO pneumatics for coupling with Festo valve terminal CPV-10; incl. bus module

| Supply voltage  |   |
|---|---|
| Load voltage 2L+  |   |
| <ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>                        | 24 V  |
| <ul style="list-style-type: none"> <li>Short-circuit protection</li> </ul>                | Yes   |
| <ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>             | Yes   |
| Input current   |   |
| from load voltage 2L+, max.   | 300 mA; Including valves                    |
| from backplane bus 3.3 V DC, max.   | 25 mA                                       |
| Power loss  |   |
| Power loss, typ.  | 2.6 W                                       |
| Address area  |   |
| Address space per module  |   |
| <ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul>          | 2 byte                                      |
| Digital outputs   |   |
| Number of digital outputs   | 16  |
| Load resistance range   |   |
| <ul style="list-style-type: none"> <li>lower limit</li> </ul>                             | 500 Ω                                       |
| <ul style="list-style-type: none"> <li>upper limit</li> </ul>                             | 2 500 Ω                                     |
| Output current  |   |
| <ul style="list-style-type: none"> <li>for signal "1" rated value</li> </ul>              | 12 mA                                       |
| <ul style="list-style-type: none"> <li>for signal "1" permissible range, min.</li> </ul>  | 11 mA                                       |
| <ul style="list-style-type: none"> <li>for signal "1" permissible range, max.</li> </ul>  | 15 mA                                       |
| Switching frequency   |   |
| <ul style="list-style-type: none"> <li>with inductive load, max.</li> </ul>               | 25 Hz                                       |
| Total current of the outputs (per group)  |   |
| all mounting positions  |   |
| — up to 55 °C, max.   | 250 mA; only up to 50 °C, limited by valves |
| Interrupts/diagnostics/status information   |   |
| Diagnostics function  | Yes   |
| Alarms  |   |
| <ul style="list-style-type: none"> <li>Diagnostic alarm</li> </ul>                        | Yes   |
| Diagnoses   |   |
| <ul style="list-style-type: none"> <li>Diagnostic information readable</li> </ul>         | Yes   |
| Diagnostics indication LED  |   |
| <ul style="list-style-type: none"> <li>Group error SF (red)</li> </ul>                    | Yes   |
| <ul style="list-style-type: none"> <li>Status indicator digital output (green)</li> </ul> | Yes   |
| Pneumatics  |   |
| Number of connectable valves, max.  | 16  |
| permissible working pressure, min.  | 3 bar                                       |

|  |  |
|--|--|
| permissible working pressure, max.   | 8 bar  |
| Rated flow rate  | 400 l/min  |
| Valve switching times from "0" to "1"  | 17 ms  |
| Valve switching times from "1" to "0"  | 25 ms  |
| <b>Parameter</b>   |  |
| Remark   | Diagnosis load voltage 2L+   |
| Response to CPU/master STOP  | No   |
| <b>Potential separation</b>  |  |
| between backplane bus and all other circuit components                                 | Yes  |
| <b>Potential separation digital outputs</b>  |  |
| • between the channels and backplane bus   | Yes  |
| <b>Isolation</b>   |  |
| Isolation tested with  | 707 V DC (type test)   |
| <b>Standards, approvals, certificates</b>  |  |
| Suitable for safety-related tripping of standard modules                               | Yes  |
| <b>Highest safety class achievable for safety-related tripping of standard modules</b> |  |
| • Performance level according to ISO 13849-1   | PL d   |
| • Category according to ISO 13849-1  | Cat. 3   |
| • SIL acc. to IEC 62061  | SIL 2  |
| <b>Dimensions</b>  |  |
| Width  | 90 mm  |
| Height   | 130 mm   |
| Depth  | 47 mm  |
| <b>last modified:</b>  | 3/7/2022  |