



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
Potential separation digital outputs	
• 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
Highest safety class achievable for safety-related tripping of standard modules	
• 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

last modified:

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