



SIMATIC DP, Pneumatic interface for ET 200 PRO, 16 DO pneumatics for coupling with Festo valve terminal CPV-14; incl. bus module

Supply voltage	
Load voltage 2L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>Short-circuit protection</li> <li>Reverse polarity protection</li> </ul>	24 V Yes Yes
Input current	
from load voltage 2L+, max.	370 mA; Including valves
from backplane bus 3.3 V DC, max.	25 mA
Power loss	
Power loss, typ.	3.7 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> <li>upper limit</li> </ul>	500 Ω 2 500 Ω
Output current	
<ul style="list-style-type: none"> <li>for signal "1" rated value</li> <li>for signal "1" permissible range, min.</li> <li>for signal "1" permissible range, max.</li> </ul>	16 mA 14 mA 20 mA
Switching frequency	
<ul style="list-style-type: none"> <li>with inductive load, max.</li> </ul>	20 Hz
Total current of the outputs (per group)	
all mounting positions	
— up to 55 °C, max.	330 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> <li>Status indicator digital output (green)</li> </ul>	Yes Yes
Pneumatics	
Number of connectable valves, max.	16
permissible working pressure, min.	3 bar

permissible working pressure, max.	8 bar
Rated flow rate	800 l/min
Valve switching times from "0" to "1"	24 ms
Valve switching times from "1" to "0"	30 ms
<b>Parameter</b>	
Remark	Diagnosis load voltage 2L+
<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	120 mm
Height	152 mm
Depth	47 mm
<b>last modified:</b>	3/7/2022 