



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"> Rated value (DC) Short-circuit protection Reverse polarity protection 	24 V Yes 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"> Address space per module, max. 	2 byte
Digital outputs	
Number of digital outputs	16
Load resistance range	
<ul style="list-style-type: none"> lower limit upper limit 	500 Ω 2 500 Ω
Output current	
<ul style="list-style-type: none"> for signal "1" rated value for signal "1" permissible range, min. for signal "1" permissible range, max. 	12 mA 11 mA 15 mA
Switching frequency	
<ul style="list-style-type: none"> with inductive load, max. 	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"> Diagnostic alarm 	Yes
Diagnoses	
<ul style="list-style-type: none"> Diagnostic information readable 	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> Group error SF (red) Status indicator digital output (green) 	Yes 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
Parameter	
Remark	Diagnosis load voltage 2L+
Response to CPU/master STOP	No
Potential separation	
between backplane bus and all other circuit components	Yes
Potential separation digital outputs	
<ul style="list-style-type: none"> between the channels and backplane bus 	Yes
Isolation	
Isolation tested with	707 V DC (type test)
Standards, approvals, certificates	
Suitable for safety-related tripping of standard modules	Yes
Highest safety class achievable for safety-related tripping of standard modules	
<ul style="list-style-type: none"> Performance level according to ISO 13849-1 Category according to ISO 13849-1 SIL acc. to IEC 62061 	PL d Cat. 3 SIL 2
Dimensions	
Width	90 mm
Height	130 mm
Depth	47 mm
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