



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"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> Short-circuit protection 	Yes
<ul style="list-style-type: none"> Reverse polarity protection 	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"> 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 	500 Ω
<ul style="list-style-type: none"> upper limit 	2 500 Ω
Output current	
<ul style="list-style-type: none"> for signal "1" rated value 	16 mA
<ul style="list-style-type: none"> for signal "1" permissible range, min. 	14 mA
<ul style="list-style-type: none"> for signal "1" permissible range, max. 	20 mA
Switching frequency	
<ul style="list-style-type: none"> with inductive load, max. 	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"> 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) 	Yes
<ul style="list-style-type: none"> Status indicator digital output (green) 	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
Parameter	
Remark	Diagnosis load voltage 2L+
Potential separation	
between backplane bus and all other circuit components	Yes
Potential separation digital outputs	
• 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	
• Performance level according to ISO 13849-1	PL d
• Category according to ISO 13849-1	Cat. 3
• SIL acc. to IEC 62061	SIL 2
Dimensions	
Width	120 mm
Height	152 mm
Depth	47 mm
last modified:	3/7/2022 