



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+	
• Rated value (DC)	24 V
• Short-circuit protection	Yes
• Reverse polarity protection	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
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Address area

Address space per module	
• Address space per module, max.	2 byte

Digital outputs

Number of digital outputs	16
Load resistance range	
• lower limit	500 Ω
• upper limit	2 500 Ω
Output current	
• for signal "1" rated value	12 mA
• for signal "1" permissible range, min.	11 mA
• for signal "1" permissible range, max.	15 mA

Switching frequency	
• 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	
• Diagnostic alarm	Yes
Diagnoses	
• Diagnostic information readable	Yes
Diagnostics indication LED	
• Group error SF (red)	Yes
• 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	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	
• 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
• remark on safety-oriented shutdown	https://www.modulplc.com/?s=6ES7148-4EA00-0AA0

Dimensions	
Width	90 mm
Height	130 mm
Depth	47 mm

Classifications			
		Version	Classification
	eClass	16	27-24-26-13
	eClass	14	27-24-26-13
	eClass	12	27-24-26-13
	eClass	9.1	27-24-26-13
	eClass	9	27-24-26-13
	eClass	8	27-24-26-13
	eClass	7.1	27-24-26-13
	eClass	6	27-24-26-13
	ETIM	10	EC002634
	ETIM	9	EC002634
	ETIM	8	EC002634
	ETIM	7	EC002634
	IDEA	4	3561
	UNSPSC	15	32-15-17-05

Approvals / Certificates	
General Product Approval	

[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval	Maritime application
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[China RoHS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

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