

SIEMENS

Product data sheet

6ES7148-4EA00-0AA0



SIMATIC DP,
PNEUMATIC INTERFACE FOR ET 200PRO 16 DO
PNEUMATIC FOR COUPLING WITH FESTO VALVE
BLOCK CPV-10 INCLUSIVE 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+ (without load), max.	20 mA
from backplane bus 3.3 V DC, max.	25 mA
Power losses	
Power loss, typ.	2.6 W
Address area	
Address space per module	
without packing	2 byte
Digital outputs	
Number/binary outputs	16

Load resistance range	
lower limit	500 Ω
upper limit	2500 Ω
Output current	
for signal "1" rated value	12 mA
Switching frequency	
with inductive load, max.	25 Hz
Aggregate current of 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	
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital output (green)	Yes
Parameter	
Remark	Diagnosis load voltage 2L+
Behavior on CPU/Master STOP	No
Galvanic isolation	
between backplane bus and all other circuit components	Yes
between the channels and backplane bus	Yes
Galvanic isolation digital outputs	
between the channels and the backplane bus	Yes
Permissible potential difference	
between different circuits	75 VDC / 60 VAC
Isolation	
Isolation checked with	500 V DC
tested with	
Load voltage L+ against backplane bus	500 V DC

Dimensions	
Width	90 mm
Height	130 mm
Depth	47 mm
Status	Jul 17, 2012