

*** SPARE PART*** SIMATIC DP, PNEUMATIC MODULE EM 148-P
FOR ET 200X 4 DI, 2 DO PNEUMATIC 2 X 4/2 WAY VALVE FLOW
RATE 300 L/MIN

Input current	
from load voltage 2L+ (including valve), max.	130 mA
per valve, max.	50 mA
from backplane bus 5 V DC, max.	40 mA
Encoder supply	
Number of outputs	4; pneumatic
Short-circuit protection	Yes; Electronic
Output current	
• up to 40 °C, max.	0.9 A
• up to 55 °C, max.	0.7 A
Power loss	
Power loss, typ.	3 W
Digital inputs	
Number of digital inputs	4; Electronic
Input characteristic curve in accordance with IEC 61131, type 2	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 55 °C, max.	4
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	13 to 30V
Input current	
• for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", min.	1.2 ms
— at "0" to "1", max.	4.8 ms
— at "1" to "0", min.	1.2 ms
— at "1" to "0", max.	4.8 μs
Cable length	
• unshielded, max.	30 m

Encoder	
Connectable encoders	
• 2-wire sensor — permissible quiescent current (2-wire sensor), max.	Yes 1.5 mA
Pneumatics	
Valve type	2 x monostable 4/2-way valve with spring reset
permissible working pressure, min.	3 bar
permissible working pressure, max.	8 bar
Rated flow rate	300 l/min
Valve switching times from "0" to "1"	20 ms
Valve switching times from "1" to "0"	20 ms
Manual operation	yes, momentary contact
Medium	Compressed air filtered (40 µm), oiled (oil: VG 32), unoled
Connection method, pneumatic connection	
• Number of outputs for valve control • Switching outputs • Air supply/exhaust • Controllable pneumatic cylinders, dual action cylinders • Controllable pneumatic cylinders, single action cylinders	2 Quickstar QS 6 Quickstar QS 8, jointly recorded for both valves Yes Yes
Dimensions	
Width	87 mm; Width module 60 mm
Height	173 mm
Depth	88 mm
Weights	
Weight, approx.	500 g
last modified:	20.05.2016