

SIMATIC DP, ELECT. SUBMODULE DIGITAL,
FOR ET200B, W=235MM 16RO,
120/230V AC, 2/4A APPLICABLE ON TB6/AC RELAY
SWITCHING VOLTAGE 230V AC

Hardware configuration	
Rack	
required terminal block	TB6/AC
Digital outputs	
Number of digital outputs	16 ; 4 high and 12 low current relays
Short-circuit protection	No
Output voltage	
Rated value (AC)	120/230 V AC
Rated value (DC)	61 to 150 V DC
Switching frequency	
with resistive load, max.	10 Hz
with inductive load, max.	2 Hz
Relay outputs	
Switching capacity of contacts	
with resistive load, max.	4 A ; 4 A (2 ports); 2 A (12 ports)
Cable length	
Cable length unshielded, max.	600 m
Interfaces	
PROFIBUS DP	
Transmission rate, max.	12 Mbit/s
Galvanic isolation	
between electronic block and PROFIBUS DP	Yes
Galvanic isolation digital outputs	
Galvanic isolation digital outputs	Yes
between the channels, in groups of	1
Degree and class of protection	
IP20	Yes
Ambient conditions	
Operating temperature	
horizontal installation, min.	0 °C

horizontal installation, max.	60 °C ; 40°C for other mountings
Air pressure	
permissible range, min.	795 hPa
permissible range, max.	1080 hPa
Relative humidity	
Operation, min.	15 %
Operation, max.	95 % ; RH class 2 in accordance with IEC 1131-2
Vibrations	
Operation, tested according to IEC 60068-2-6	Yes ; IEC 68, Part 2-6; 10 to 57 Hz; (constant amplitude 0.075 mm); 57 to 150 Hz; (constant acceleration 1 g)
Shock test	
tested according to IEC 60068-2-27	Yes ; IEC 68, Part 2-27; half-sine, 15 g, 11 ms
Connection method	
Inputs/outputs	Screw-type and spring-loaded terminals, permanent wiring; 3 and 4-wire connection
Status	Jul 7, 2014