SIEMENS

Data sheet

6ES7132-0BH11-0XB0

*** SPARE PART*** SIMATIC DP, ELECTRONIC MODULE DIGITAL, FOR ET 200B, W=235MM, 16 DO 24V DC, 2A, DEGR. OF PROTECT. IP20,STANDARD

General information	
Usable terminal block	TB2/DC, TB2-4/DC, TB4/DC, TB4-4/DC
Supply voltage	
Rated value (DC)	24 V; L1+, L2+, L3+, L4+, L5+; value at t < 0.5 s: 35 V
permissible range, lower limit (DC)	18.5 V
permissible range, upper limit (DC)	30.2 V
Input current Current consumption, typ.	100 mA; From L5+; logic
	0.05 A ² ·s; with starting current inrush
Power loss	
Power loss, max.	7 W
Digital outputs	
Number of digital outputs	16
Short-circuit protection	Yes; Electronic
Limitation of inductive shutdown voltage to	typ. (L1+ to L4+) -50 V
Controlling a digital input	Yes
Switching capacity of the outputs	
● on lamp load, max.	10 W
Output voltage	
• Rated value (DC)	24 V
● for signal "0", max.	2 V; idling
● for signal "1", min.	UE -3 V
Output current	
 for signal "1" permissible range, max. 	2 A; in groups of 4
 for signal "0" residual current, max. 	1 mA
Switching frequency	
• with resistive load, max.	100 Hz
 with inductive load, max. 	0.5 Hz
• on lamp load, max.	8 Hz
Total current of the outputs (per group)	
all mounting positions	
— up to 60 °C, max.	4 A
Cable length	

• unshielded, max.	100 m
Interfaces	
PROFIBUS DP	
• Transmission rate, max.	12 Mbit/s
Protocols	
Bus protocol/transmission protocol	PROFIBUS DP
PROFIBUS DP	
Services	
— SYNC capability	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• RUN LED	Yes
 Bus fault BF (red) 	Yes
 Status indicator digital output (green) 	Yes
Potential separation	
between electronic block and PROFIBUS DP	Yes
Potential separation digital outputs	
 Potential separation digital outputs 	Yes
• between the channels, in groups of	4
Degree and class of protection	
Degree of protection acc. to EN 60529	IP20
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	0°0
 horizontal installation, max. 	60 °C; 40°C for other mountings
Air pressure acc. to IEC 60068-2-13	
 permissible range, lower limit 	795 hPa
 permissible range, upper limit 	1 080 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 testing	
 tested according to IEC 60068-2-27 	Yes; IEC 68, Part 2-27; half-sine, 15 g, 11 ms
Connection method	
Design of electrical connection for the inputs and outputs	Screw-type and spring-loaded terminals, permanent wiring; 3 and 4-wire connection

Dimensions		
Width	235 mm; EB and TB	
Height	130 mm; EB and TB	
Depth	60 mm; EB and TB	
Weights		
Weight, approx.	900 g; EB and TB	

last modified:

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