## **SIEMENS**

Data sheet	6ES7132-0GF00-0XB0

\*\*\* SPARE PART\*\*\* SIMATIC DP, ELECTRONIC MODULE DIGITAL, FOR ET 200B, W=160MM, 8 RO 24V - 60V DC, DEGR. OF PROTECT. IP20,STANDARD

Supply voltage	
Rated value (DC)	24 V; L3+; 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.	130 mA; from L3+; logic
I²t	0.05 A <sup>2</sup> ·s; with starting current inrush

Power loss	
Power loss, typ.	2 W

Rack

• required terminal block TB1/DC, TB1-4/DC, TB3/DC, TB3-4/DC

Number of digital outputs  Short-circuit protection  No  Controlling a digital input  Yes  Output voltage  • Rated value (DC)  Switching frequency  • with resistive load, max.  • with inductive load, max.  2 Hz  Relay outputs  Switching capacity of contacts  — with inductive load, max.  0.5 A; at 30 V DC  with resistive load, max. 1 A at 60 V DC  2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC  Thermal continuous current, max.		
Short-circuit protection  Controlling a digital input  Yes  Output voltage  Rated value (DC)  Switching frequency  with resistive load, max. with inductive load, max.  Switching capacity of contacts  with inductive load, max.  with inductive load, max.  With inductive load, max.  Switching capacity of contacts  with inductive load, max.  With resistive load, max.  With resistive load, max.  Switching capacity of contacts  With resistive load, max.  A at 48 V DC; max. 1 A at 60 V DC  Thermal continuous current, max.	Digital outputs	
Controlling a digital input  Yes  Output voltage  Rated value (DC)  24 V; 24 V DC to 60 V DC  Switching frequency  with resistive load, max.  with inductive load, max.  2 Hz  Relay outputs  Switching capacity of contacts  with inductive load, max.  with inductive load, max.  O.5 A; at 30 V DC  with resistive load, max.  with resistive load, max.  A at 48 V DC; max. 1 A at 60 V DC  Thermal continuous current, max.	Number of digital outputs	8; Relays
Output voltage  Rated value (DC)  24 V; 24 V DC to 60 V DC  Switching frequency  with resistive load, max.  to Hz  this inductive load, max.  this inductive load, max.  Switching capacity of contacts  with inductive load, max.  with inductive load, max.  with resistive load, max.  with resistive load, max.  with resistive load, max.  Thermal continuous current, max.  24 V DC to 60 V DC  25 V DC to 60 V DC  26 V DC  26 V DC  27 V DC  28 V DC to 60 V DC  29 V DC  20 V DC  20 V DC  20 V DC  20 V DC  21 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC  5 A	Short-circuit protection	No
<ul> <li>Rated value (DC)</li> <li>Switching frequency</li> <li>with resistive load, max.</li> <li>with inductive load, max.</li> <li>Relay outputs</li> <li>Switching capacity of contacts</li> <li>— with inductive load, max.</li> <li>0.5 A; at 30 V DC</li> <li>— with resistive load, max.</li> <li>— with resistive load, max.</li> <li>— A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC</li> <li>— Thermal continuous current, max.</li> </ul>	Controlling a digital input	Yes
Switching frequency  • with resistive load, max.  • with inductive load, max.  2 Hz  Relay outputs  Switching capacity of contacts  — with inductive load, max.  0.5 A; at 30 V DC  — with resistive load, max.  2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC  — Thermal continuous current, max.	Output voltage	
<ul> <li>with resistive load, max.</li> <li>with inductive load, max.</li> <li>2 Hz</li> <li>Relay outputs</li> <li>Switching capacity of contacts</li> <li>— with inductive load, max.</li> <li>— with resistive load, max.</li> <li>— with resistive load, max.</li> <li>— Thermal continuous current, max.</li> <li>10 Hz</li> <li>2 Hz</li> <li>O.5 A; at 30 V DC</li> <li>2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC</li> <li>5 A</li> </ul>	<ul> <li>Rated value (DC)</li> </ul>	24 V; 24 V DC to 60 V DC
<ul> <li>with inductive load, max.</li> <li>2 Hz</li> <li>Relay outputs</li> <li>Switching capacity of contacts</li> <li>— with inductive load, max.</li> <li>— with resistive load, max.</li> <li>— with resistive load, max.</li> <li>— Thermal continuous current, max.</li> <li>2 Hz</li> <li>O.5 A; at 30 V DC</li> <li>2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC</li> <li>5 A</li> </ul>	Switching frequency	
Relay outputs  Switching capacity of contacts  — with inductive load, max.  — with resistive load, max.  — Thermal continuous current, max.  O.5 A; at 30 V DC  2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC  5 A	<ul><li>with resistive load, max.</li></ul>	10 Hz
Switching capacity of contacts  — with inductive load, max.  — with resistive load, max.  — Thermal continuous current, max.  0.5 A; at 30 V DC  2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC  5 A	<ul> <li>with inductive load, max.</li> </ul>	2 Hz
<ul> <li>— with inductive load, max.</li> <li>— with resistive load, max.</li> <li>— Thermal continuous current, max.</li> <li>0.5 A; at 30 V DC</li> <li>2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC</li> <li>5 A</li> </ul>	Relay outputs	
<ul> <li>— with resistive load, max.</li> <li>— Thermal continuous current, max.</li> <li>2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC</li> <li>5 A</li> </ul>	Switching capacity of contacts	
— Thermal continuous current, max. 5 A	— with inductive load, max.	0.5 A; at 30 V DC
	— with resistive load, max.	2 A; at 24 V DC; max. 1.5 A at 48 V DC; max. 1 A at 60 V DC
Cable length	— Thermal continuous current, max.	5 A
	Cable length	

Interfaces		
PROFIBUS DP		
<ul> <li>Transmission rate, max.</li> </ul>	12 Mbit/s	
<ul> <li>SYNC capability</li> </ul>	Yes	

100 m

• unshielded, max.

Protocols	
Bus protocol/transmission protocol	PROFIBUS DP
Interrupto/diagnostics/status information	
Interrupts/diagnostics/status information  Diagnostics indication LED	
• RUN LED	Yes
Bus fault BF (red)	Yes
Status indicator digital output (green)	Yes
Status indicator digital output (green)	165
Potential separation	
between electronic block and PROFIBUS DP	Yes
Potential separation digital outputs	
<ul> <li>Potential separation digital outputs</li> </ul>	Yes
<ul><li>between the channels, in groups of</li></ul>	1
Degree and class of protection	
Degree of protection acc. to EN 60529	IP20
Ambient conditions	
Ambient temperature during operation	
horizontal installation, min.	0 °C
<ul> <li>horizontal installation, max.</li> </ul>	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 test	
<ul> <li>tested according to IEC 60068-2-27</li> </ul>	Yes; IEC 68, Part 2-27; half-sine, 15 g, 11 ms
Connection method	
Design of electrical connection for the inputs and	Screw-type and spring-loaded terminals, permanent wiring; 3 and
outputs	4-wire connection
Dimensions	
Width	160 mm; EB and TB
Height	130 mm; EB and TB
Depth	60 mm; EB and TB
Weights	
Weight, approx.	650 g; EB and TB
last modified:	08/12/2017