

# SIEMENS

## Product data sheet

**6ES7132-1BL00-0XB0**

SIMATIC DP,  
ELECTRONIC BLOCK FOR ET 200L, 32 DO,  
24V DC/0.5A



General information	
Vendor identification (VendorID)	0011h
Supply voltage	
24 V DC	Yes
Reverse polarity protection	Yes
Mains buffering	
Mains buffering, min.	20 ms
Load voltage 2L+	
Rated value (DC)	24 V ; 1L+, 2L+, 3L+
Input current	
from load voltage L1 (without load), max.	100 mA ; Per load group (L1+ or L2+ / L3+)
from supply voltage L+, max.	70 mA ; L4+ / L5+
Power losses	
Power loss, typ.	7 W
Hardware configuration	

<b>Rack</b>	
Required terminal block	TB 32L
<b>Digital outputs</b>	
Number/binary outputs	32
Functionality/short-circuit strength	Yes ; Electronic
Response threshold, typ.	0.7 A
Limitation of inductive shutdown voltage to	Typ. (L1+ or L2+ / L3+) -55 V
Lamp load, max.	5 W
Controlling a digital input	Yes
<b>Load resistance range</b>	
lower limit	41 $\Omega$
upper limit	28000 $\Omega$
<b>Output voltage</b>	
Rated value (DC)	24 V
for signal "1", min.	U <sub>a</sub> - 3 V
<b>Output current</b>	
for signal "1" rated value	0.5 A
for signal "1" permissible range for 0 to 60 °C, max.	0.5 A
for signal "0" residual current, max.	1 mA
<b>Output delay with resistive load</b>	
0 to "1", max.	50 ms
1 to "0", max.	200 ms
<b>Parallel switching of 2 outputs</b>	
for increased power	No
for redundant control of a load	Yes ; only outputs of the same group
<b>Switching frequency</b>	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	8 Hz
<b>Aggregate current of outputs (per group)</b>	
all mounting positions	
up to 60 °C, max.	4 A
all other mounting positions	

up to 40 °C, max.	2 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Interfaces</b>	
<b>PROFIBUS DP</b>	
Transmission rate, max.	1.5 Mbit/s
SYNC capability	Yes
Direct data exchange (slave-to-slave communication)	Yes ; Transmitter (for digital outputs and hybrid modules ET 200L: not for L-SC or IM-SC)
<b>Communication functions</b>	
Bus protocol/transmission protocol	PROFIBUS DP
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Alarms	No
<b>Diagnostic messages</b>	
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
Bus fault BF (red)	Yes
Status indicator digital output (green)	Yes
Status indicator digital input (green)	Yes
Monitoring 24 V voltage supply ON (green)	Yes
<b>Galvanic isolation</b>	
between PROFIBUS DP and all other circuit components	Yes
<b>Galvanic isolation digital outputs</b>	
between the channels	No
between the channels and PROFIBUS DP	Yes
<b>Isolation</b>	
Isolation checked with	500 V DC
<b>Degree and class of protection</b>	
IP20	Yes
<b>Ambient conditions</b>	
<b>Operating temperature</b>	

horizontal installation, min.	0 °C
horizontal installation, max.	60 °C ; 40°C for other mountings
<b>Air pressure</b>	
permissible range, min.	795 hPa
permissible range, max.	1080 hPa
<b>Relative humidity</b>	
Operation, min.	5 %
Operation, max.	95 % ; RH class 2 in accordance with IEC 1131-2
<b>Vibrations</b>	
Operation, checked 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)
<b>Shock test</b>	
checked according to IEC 60068-2-27	Yes ; IEC 68, Part 2-27; half-sine, 15 g, 11 ms
<b>Connection method</b>	
Inputs/outputs	Screw-type and spring-loaded terminals, permanent wiring; standard: 2-wire connection, optional: 3 and 4-wire connection
<b>Dimensions</b>	
Width	145 mm
Height	60 mm
Depth	60.5 mm
<b>Weight</b>	
Weight, approx.	150 g
Status	Mar 12, 2012