

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7133-1BL11-0XB0

16DI/16DO ELECTRONIC BLOCK

Used with the applicable SIMATIC ET 200L-SC configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens SIMATIC ET 200L-SC technical documentation

SIMATIC DP,
ELECTRONIC BLOCK FOR ET 200L-SC,
16 DI/16 DO, 24V DC/0.5 A

Hardware configuration	
Rack	
Required terminal block	TB 32L
Digital inputs	
Number/binary inputs	16 ; Expansion: digital and analog with SIMATIC SC
Input voltage	
Rated value, DC	24 V
for signal "0"	-30 to +5 V
for signal "1"	13 to 30 V
Input current	
for signal "1", typ.	5 mA
Input delay (for rated value of input voltage)	
for standard inputs	
at "0" to "1", min.	2 ms
at "0" to "1", max.	4.5 ms
Cable length	
Cable length, shielded, max.	1000 m
Digital outputs	
Number/binary outputs	16 ; Expansion: digital and analog with SIMATIC SC
Functionality/short-circuit strength	Yes ; Electronic
Output voltage	
Rated value (DC)	24 V
for signal "1", min.	U _a - 3 V
Output current	
for signal "1" permissible range for 0 to 60 °C, max.	0.5 A
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
Aggregate current of outputs (per group)	

all mounting positions	
up to 60 °C, max.	4 A
Cable length	
Cable length, shielded, max.	1000 m
Interfaces	
PROFIBUS DP	
Transmission rate, max.	1.5 Mbit/s
Galvanic isolation	
Galvanic isolation digital inputs	
between the channels	No
between the channels and PROFIBUS DP	Yes
Galvanic isolation digital outputs	
Galvanic isolation digital outputs	No
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