MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7151-1CA00-1BL0

ET 200S COMPACT I O MODULE

Used with the applicable ET 200S configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens manufacturer data for 6ES7151-1CA00-1BL0

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Data sheet 6ES7151-1CA00-1BL0



Figure similar

*** spare part *** ET 200S Compact, 32DI STD, 24 V DC, 3 ms, expandable by up to 12 modules of the ET 200S (no F modules) electronics block

General information	
Product function	
● Isochronous mode	No
Supply voltage	
Load voltage 1L+	
● Rated value (DC)	24 V
● Reverse polarity protection	Yes
Input current	
from supply voltage 1L+, max.	100 mA
Power loss	
Power loss, typ.	3 W
Address area	
Addressing volume	
● Inputs	100 byte
● Outputs	100 byte
Digital inputs	
Number of digital inputs	32
Input voltage	
● Type of input voltage	DC
● Rated value (DC)	24 V
● for signal "0"	-30 to +5 V
● for signal "1"	13 to 30V
Input current	
● for signal "1", typ.	4 mA; At 24 V min. 2 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", min.	1.2 ms; typically 3 ms
— at "0" to "1", max.	4.8 ms; typically 3 ms
— at "1" to "0", min.	1.2 ms; typically 3 ms
— at "1" to "0", max.	4.8 ms; typically 3 ms
Cable length	
● unshielded, max.	1 000 m
Digital outputs	
Number of digital outputs	0
1. Interface	
Interface types	
● RS 485	Yes
Interface types	
RS 485	

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● Cable length, max.	1 200 m
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
Protocols (Ethernet)	
● TCP/IP	No
PROFIBUS DP	
Services	
— Direct data exchange (slave-to-slave communication)	Yes
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	Yes
Diagnostics indication LED	
● Bus fault BF (red)	Yes
● Group error SF (red)	Yes
● Monitoring 24 V voltage supply ON (green)	Yes
Isolation	
Isolation tested with	500 V DC
Degree and class of protection	
IP degree of protection	IP20
Dimensions	
Width	120 mm
Height	81 mm
Depth	58 mm

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