SIEMENS

Data sheet 6ES7151-1CA00-1BL0

*** 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



Figure similar

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

Subject to change without notice
© Copyright Siemens

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
Interfaces	
Transmission procedure	RS 485
PROFIBUS DP	
• 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	

Subject to change without notice
© Copyright Siemens

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

last modified: 12/09/2020

Subject to change without notice
© Copyright Siemens