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Datasheet 6ES7151-1CA00-3BL0



ET 200S COMPACT, 16DI/16DO STD DC24V, 3MS; DC24V, 0.5A EXPANDABLE WITH UP TO 12 ET 200S MODULES (NO F-MODULES) ELECTRONICBLOCK

Supply voltage	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Digital inputs	
Number of digital inputs	16
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.	3 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", min.	3 ms
Digital outputs	
Number of digital outputs	16

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Short-circuit protection	Yes
Switching capacity of the outputs	
• Lamp load, max.	5 W
Output current	
• for signal "1" permissible range for 0 to 60 °C, min.	7 mA
• for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
• "0" to "1", max.	0.5 ms
• "1" to "0", max.	1.3 ms
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	No
Galvanic isolation	
Galvanic isolation digital inputs	
• Galvanic isolation digital inputs	No
Galvanic isolation digital outputs	
• Galvanic isolation digital outputs	Yes
Degree and class of protection	
IP20	Yes
Dimensions	
Width	120 mm
Height	81 mm
Depth	58 mm
Weights	
Weight, approx.	230 g; EB only
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