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Data sheet 6ES7322-1BH10-0AA0



Figure similar

SIMATIC S7-300, DIGITAL OUTPUT SM 322 HIGH SPEED, GALVANICALLY ISOLATED, 16 DO, 24V DC, 0.5A, 1 X 20 PIN

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	20.4 V
• permissible range, upper limit (DC)	28.8 V
Input current	
from load voltage L+ (without load), max.	110 mA
from backplane bus 5 V DC, max.	70 mA
Power losses	
Power loss, typ.	5 W
Digital outputs	
Number of digital outputs	16
Limitation of inductive shutdown voltage to	L+ (-53 V)
Switching capacity of the outputs	
• on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	4 kΩ
Output voltage	
• for signal "1", min.	L+ (-0.8 V)
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range for 0 to 40 °C, max.	0.6 A

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• for signal "1" minimum load current	5 mA
• for signal "0" residual current, max.	0.5 mA
Switching frequency	
• with resistive load, max.	1 000 Hz
• with inductive load, max.	0.5 Hz
• on lamp load, max.	10 Hz
horizontal installation	
— up to 40 °C, max.	4 A
— up to 60 °C, max.	3 A
vertical installation	
— up to 40 °C, max.	2 A
Cable length	
• shielded, max.	1 000 m
• Unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
• Diagnostic alarm	No
Diagnostic messages	
• Diagnostics	No
• Wire break	No
• Short circuit	No
• Fuse blown	No
• Missing load voltage	No
Diagnostics indication LED	
• Rated load voltage PWR (green)	No
• Fuse OK FSG (green)	No
Potential separation	
Potential separation digital outputs	
• between the channels, in groups of	8
• between the channels and the backplane bus	Yes; Optocoupler
Isolation	
Isolation checked with	500 V DC
Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	200 g

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