



Figure similar

SIMATIC S7-300, Digital output SM 322, isolated, 8 DO (relay), 1x 40-pole, 24 V DC, 5 A or 230 V AC, 5 A, connectors with spring-loaded terminal can be used as of 6ES7392-1BM01-0AA0

Supply voltage		
Load voltage L+		
Rated value (DC)	120 V	
Load voltage L1		
Rated value (AC)	230 V	
Input current		
from supply voltage L+, max.	125 mA	
from backplane bus 5 V DC, max.	40 mA	
Power loss		
Power loss, typ.	3.2 W	
Digital outputs		
Number of digital outputs	8; Relays	
Short-circuit protection	No; to be provided externally	
Controlling a digital input	Yes	
Switching capacity of the outputs		
on lamp load, max.	1 500 W; 230 V AC	
Low energy/fluorescent lamps with electronic control gear	10x 58 W	
Fluorescent tubes, conventionally compensated	1x 58 W	
Fluorescent tubes, uncompensated	10x 58 W	
Output current		
for signal "1" rated value	5 A	
for signal "1" minimum load current	5 mA	
Parallel switching of two outputs		
for uprating	No	
for redundant control of a load	Yes	
Switching frequency		
with resistive load, max.	2 Hz	
with inductive load, max.	0.5 Hz	
With inductive load (to IEC 60947-5-1, DC13/AC15), max.	0.5 Hz	
on lamp load, max.	2 Hz	
mechanical, max.	10 Hz	
Total current of the outputs (per group)		
horizontal installation		
— up to 60 °C, max.	5 A	
vertical installation		
— up to 40 °C, max.	5 A	
Relay outputs		
Rated supply voltage of relay coil L+ (DC)	24 V	
Contact connection (internal)	No	

• Number of operating cycles, max.	300 000; 300 000 (24 V DC, at 2 A); 200 000 (120 V AC, at 3 A); 100 000 (230 V AC, at 3 A)
Switching capacity of contacts	
— with inductive load, max.	3 A; 3 A (230 V DC), 2 A (24 V AC)
— with resistive load, max.	8 A; 8 A (230 V DC), 5 A (24 V AC)
— Thermal continuous current, max.	8 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Alarms	
• Diagnostic alarm	No
Diagnoses	
• 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
• Status indicator digital output (green)	Yes
Potential separation	
Potential separation digital outputs	
• between the channels	Yes
• between the channels, in groups of	1
• between the channels and backplane bus	Yes; Optocoupler
Isolation	
Isolation tested with	2 000 V AC
connection method	
required front connector	40-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	320 g
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