

SIMATIC S7-300 digital output SM 322, Isolated in groups of 16, 64DO, 24 V DC, 0.3A source output Total current 2 A/group, 8 A/module Terminal blocks 6ES7392-1.N00-0AA0 and cable 6ES7392-4...0-0AA0 required



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. | 75 mA |
| from backplane bus 5 V DC, max. | 100 mA |

Power loss

- | | |
|------------------|-----|
| Power loss, typ. | 6 W |
|------------------|-----|

Digital outputs

- | | |
|---|-----------|
| Number of digital outputs | 64 |
| Limitation of inductive shutdown voltage to | M+ (45 V) |

Switching capacity of the outputs

- | | |
|----------------------|-----|
| • on lamp load, max. | 5 W |
|----------------------|-----|

Load resistance range

- | | |
|---------------|-------------|
| • lower limit | 80 Ω |
|---------------|-------------|

• upper limit	10 kΩ
Output voltage	
• for signal "1", min.	M+ (0.5 V)
Output current	
• for signal "1" rated value	0.3 A
• for signal "1" permissible range, min.	2.4 mA
• for signal "1" permissible range, max.	0.36 A
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	0.5 Hz
• on lamp load, max.	10 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	1.6 A
— up to 60 °C, max.	1.2 A
vertical installation	
— up to 40 °C, max.	1.6 A
Total current of the outputs (per module)	
horizontal installation	
— up to 60 °C, max.	4.8 A
all other mounting positions	
— up to 40 °C, max.	6.4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	No
Alarms	
• Diagnostic alarm	No
Diagnostic messages	
• 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
• Group error SF (red)	No
• Status indicator digital output (green)	Yes
• Channel fault indicator F (red)	No
Potential separation	

Potential separation digital outputs

- | | |
|--|------------------|
| • between the channels | No |
| • between the channels, in groups of | 16 |
| • between the channels and backplane bus | Yes; Optocoupler |

Isolation

Isolation tested with	500 V DC
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Connection method

required front connector	Cable: 6ES7392-4Bxx0-0AA0 terminal blocks: 6ES7392-1xN00-0AA0
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Dimensions

Width	40 mm
Height	125 mm
Depth	112 mm

Weights

Weight, approx.	230 g
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last modified: 12/14/2018