

Siemens 6ES7422-1HH00-0AA0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	-

Description

6ES7422-1HH00-0AA0

SIMATIC S7-400, digital output SM 422, isolated 16 DO; 5..230 V AC, 5 A relay

Supply voltage

Load voltage L+

- Rated value (DC) 60 V
- permissible range, lower limit (DC) 1 V
- permissible range, upper limit (DC) 60 V

Load voltage L1

- Rated value (AC) 230 V
- permissible range, lower limit (AC) 2 V
- permissible range, upper limit (AC) 264 V

Input current

from backplane bus 5 V DC, max. 1 A

Power loss

Power loss, typ. 4.5 W

Digital outputs

Number of digital outputs 16; Relays

Short-circuit protection No

Controlling a digital input Yes; possible

Size of motor starters according to NEMA, max. Size 5 according to NEMA

Switching capacity of the outputs

- on lamp load, max. 60 W

Output current

- for signal "1" rated value 5 A
- for signal "1" minimum load current 11 mA

Parallel switching of two outputs

- for uprating No; Not possible
- for redundant control of a load Yes; Possible (only outputs with the same load voltage)

Switching frequency

- with resistive load, max. 10 Hz
- With inductive load (to IEC 60947-5-1, DC13/AC15), max. 1 Hz
- on lamp load, max. 1 Hz
- mechanical, max. 20 Hz

Total current of the outputs (per group)

all mounting positions

— up to 40 °C, max. 10 A; 10 A with fan subassembly

— up to 60 °C, max. 5 A; 10 A with fan subassembly

Relay outputs

www.AutoDCSTech.com

- Number of operating cycles, max. 100 000; 100 000 (AC-15 / DC-13); 3 000 000 mechanical

Switching capacity of contacts

— with inductive load, max. 5 A; 5 A (30 V DC), 5 A (230 V AC)

— with resistive load, max. 5 A; 5 A (30 V DC), 5 A (230 V AC), 1.2 A (60 V DC), 0.2 A (125 V DC)

— Thermal continuous current, max. 5 A

Cable length

- shielded, max. 1 000 m
- unshielded, max. 600 m

Interrupts/diagnostics/status information

Diagnostics function No

Diagnostics indication LED

- Status indicator digital output (green) Yes; per channel

Potential separation

Potential separation digital outputs

- between the channels Yes
- between the channels, in groups of 2
- between the channels and backplane bus Yes

Isolation

Isolation tested with 1 500 V AC

Dimensions

Width 25 mm

Height 290 mm

Depth 210 mm

Weights

Weight, approx. 700 g

www.AutoDCSTech.com