## SIEMENS



General information

Product type designation
HW functional status
Firmware version

- FW update possible

Product function

- I\&M data
- Isochronous mode
- Prioritized startup

Engineering with

- STEP 7 TIA Portal configurable/integrated as of version
- STEP 7 configurable/integrated as of version
- PROFIBUS as of GSD version/GSD revision
- PROFINET as of GSD version/GSD revision

DQ 16x24VDC/0.5A BA
FS01
V1.0.0
Yes

## Operating mode

- DQ


## Yes

- DQ with energy-saving function
- PWM

Yes; I\&M0 to I\&M3
No
Yes

- Oversampling
- MSO


## Supply voltage

| Rated value (DC) | 24 V |
| :--- | :--- |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes; through internal protection with 7 A per group |

Input current
Current consumption, max.
30 mA

## Output voltage

Rated value (DC) 24 V

## Power

Power available from the backplane bus
1.15 W

## Power loss

Power loss, typ.
2.2 W

## Digital outputs

Type of digital output
Number of digital outputs 16

Current-sourcing
Digital outputs, parameterizable No
Short-circuit protection

- Response threshold, typ.

Limitation of inductive shutdown voltage to
Controlling a digital input
Transistor
16
Yes

Yes
1 A

Switching capacity of the outputs

- with resistive load, max. 0.5 A
- on lamp load, max. 5 W

Load resistance range

- lower limit $48 \Omega$
- upper limit
$12 \mathrm{k} \Omega$
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, max. 0.5 A
$\bullet$ for signal " 0 " residual current, max. 0.5 mA
Output delay with resistive load
- "0" to "1", max.
$100 \mu \mathrm{~s}$
- "1" to "0", max.
$500 \mu \mathrm{~s}$

Parallel switching of two outputs


## Ambient conditions

Altitude during operation relating to sea level

- Installation altitude above sea level, max.

5000 m; Restrictions for installation altitudes > 2000 m, see manual

## Dimensions

| Width | 25 mm |
| :--- | :--- |
| Height | 147 mm |
| Depth | 129 mm |

## Weights

Weight, approx.
230 g

## Other

Note:
Supplied incl. 40-pole push-in front connectors
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