

Siemens 6AV6647-0AK11-3AX0 Manual

Brand	Siemens
Product Series	Sheet15
Product Type	designation : SIMATIC HMI KTP400 Basic color PN

Description

6AV6647-0AK11-3AX0 | Siemens | SIMATIC HMI KTP400 BASIC COLOR PN

Manufacturer: Siemens

Part Number: 6AV6647-0AK11-3AX0

SIMATIC HMI KTP400 BASIC COLOR PN

Product type designation: SIMATIC HMI KTP400 Basic color PN

Design of display: TFT

Screen diagonal: 4.3 in

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Display width: 95mm

Display height: 53.8mm

Number of colors: 256

Type of supply voltage: DC

Rated value (DC): 24 V

permissible range, lower limit (DC): 19.2 V

permissible range, upper limit (DC): 28.8 V

Current consumption (rated value): 0.1 A

Starting current inrush I^2t : 0.5 A²·s

Ambient temperature during operation:

Operation (vertical installation) : For vertical installation, min. 0 °C | For vertical installation, max. 50 °C

Operation (max. tilt angle) : At maximum tilt angle, min. 0 °C | At maximum tilt angle, max. 40 °C

Operation (vertical installation, portrait format) : For vertical installation, min. 0 °C | For vertical installation, max. 40 °C

Operation (max. tilt angle, portrait format): At maximum tilt angle, min. 0 °C | At maximum tilt angle, max. 35 °C

Ambient temperature during storage/transportation : min. -20 °C | max. 60 °C

Relative humidity : Operation, max. = 90 %; no condensation

Weight: 0.34kg

6AV6647-0AK11-3AX0

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SIMATIC HMI KTP400 BASIC COLOR PN,
BASIC PANEL, KEY AND TOUCH OPERATION,
4" WIDESCREEN-TFT-DISPLAY, 256 COLORS,
PROFINET INTERFACE,
CONFIGURATION FROM WINCC BASIC V11 SP2/ STEP 7
BASIC V11 SP2,
CONTAINS OPEN SOURCE SW WHICH IS PROVIDED
FREE OF CHARGE FOR DETAILS SEE CD

show

Display specifications TFT

Screen diagonal 4.3 in

Screen width 95mm

Screen height 53.8 mm

Number of colors 256

Resolution (pixels)

Horizontal image resolution 480

Vertical image resolution 272

backlight

MTBF background illumination (at 25 °C) 50000 h

Adjustable background lighting No

Operating elements

keyboard font

Number of function keys 4

Buttons with LED No

System button No

Number input and letter input

Numeric keypad Yes; On-screen keyboard

Alphanumeric keyboard Yes; On-screen keyboard

touch screen

Touch screen yes

Installation method/installation

Can be installed vertically (portrait format) Yes

Can be installed in landscape orientation (landscape format) Yes

Supply voltage

Voltage type of power supply DC

Rating (DC) 24 V

Permissible range, lower limit (DC) 19.2 V

Permissible range, upper limit (DC) 28.8 V

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Input current

Current consumption (rated value) 0.1 A

Switch-on current A²s 0.5 A²s

Power

Power consumption, typical 2 W

Processor

Processor type

X86 No

ARM Yes; RISC 32-bit

memory

Flash memory Yes

RAM is

Free memory for user data 1 Mbyte

Output type

sound

Buzzer Yes

Speaker No

time

clock

Hardware clock (real-time clock) No

Software clock Yes

Cache No

Syncable Yes

interface

Number of RS 485 interfaces www.AutoDCSTech.com

Number of USB interfaces 0

Number of SD card slots 0

Number of parallel interfaces 0

Number of 20 mA interfaces (TTY) 0

Number of RS 232 interfaces 0

Number of RS 422 interfaces 0

Number of other interfaces 0

With software interface No

Industrial Ethernet

Number of industrial Ethernet interfaces 1

Industrial Ethernet status LED 2

agreement

PROFINET Yes

PROFINET IO No

Support IRT No

PROFIBUS No

MPI No

Protocol (Ethernet)

TCP/IP Yes

DHCP Yes

SNMP Yes

DCP is

LLDP is

network properties

HTTP No

HTML No

Other agreements

CAN No

MODBUS Yes ; Modicon (MODBUS TCP/IP)

EtherNet/IP Yes

Alarm/Diagnostics/Status Information

diagnostic information

Diagnostic information is readable No

EMV

Suppression of radio interference emissions in accordance with EN 55 011

Radio-radiated interference according to EN 55 011 (threshold value class A) Yes

Radio-radiated interference according to EN 55 011 (threshold value class B) no

Protection level and protection category

IP (front) IP65

Includes type 4, front yes

Environmental requirements

Installation position vertical

Maximum permissible tilt angle without external ventilation 35°

operating temperature

Operation (vertical installation)

In vertical installation, min. 0 °C

In vertical installation, max. 50 °C

Operation (maximum tilt angle)

At maximum tilt angle, min. 0 °C

At maximum tilt angle, max. 40 °C

Operation (vertical installation, portrait format)

In vertical installation, min. 0 °C

In vertical installation, max. 40 °C

Operation (maximum tilt angle, portrait format)

At maximum tilt angle, min. 0 °C

At maximum tilt angle, max. 35 °C

Size

Housing front width 140 mm

Housing front height 116 mm

Installation section/depth of device (width x height x depth)

Installation section, width 123 mm

Installation section, height 99 mm

Installation depth 33 mm

weight

Weight without packaging 0.34 kg

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