



touchscreen 6AV6647-0AH11-3AX1

URL:<https://www.sxplc.com/touchscreen-6av6647-0ah11-3ax1>

Product data sheet

Display

Display Specifications FSTN

Screen diagonal 3.6 in

Screen width 87 mm

Screen height 31 mm

Number of colors 4; background light only (white, red, green, ochre)

Resolution (pixels)

Horizontal image resolution 240 pixel

Vertical image resolution 80 pixel

Backlighting

- MTBF Background illumination (at 25 °C) 50 000 h
- Adjustable background illumination No

Operating elements

Keyboard fonts

- Function keys
 - Number of function keys 10
 - Number of function keys with LED 0
- Keys with LEDs No
- System keys Yes
- Numeric keypad Yes; Keypad
- Numeric keypad with Holes Yes; Keypad

Touch Screen

- Touch panel specifications No; None

Installation/Mounting

Mounting position Vertical

Back face mounting No

Wall plate mounting/direct mounting No

Can be mounted vertically (portrait format) No

Can be mounted horizontally (landscape format) Yes

Maximum Allowable Tilt without External Ventilation: 35° (35°)

Power Supply Voltage

Voltage type of power supply DC

Rated Value (DC) 24 V

Allowable Range, Lower (DC) 19.2 V

Permissible range, upper limit (DC) 28.8 V

Input Current

Current consumption (rated) 0.1 A

On-current pulse I^2t 0.5 A²-s

Power

Received Effective Power Typical 3 W

Processor

Processor Type RISC 32-bit

Processor type RISC 32-bit

Memory

Flash Memory

RAM

RAM

RAM

Usable memory for user data 1 Mbyte

Output Type

Sound

Buzzer

No

Speaker

No

Time

Clock

Hardware clock (real time clock)

No

Software clock

No

Cache

No

Synchronizable

Yes Synchronizable

Connectors

Number of Industrial Ethernet Outlets

1

Number of RS 485 outlets

0 Number of RS 422 outlets

Number of RS 422 outlets

0 Number of RS 232 Outlets

Number of RS 232 connectors

0

Number of USB ports

0 USB connector

Number of 20 mA connector (TTY)

0

Number of parallel ports

0

Number of other connectors

0

Number of SD card slots

0

Software Outlet

No

Industrial Ethernet

● Industrial Ethernet Status LEDs

2

Protocol

PROFINET

PROFINET

Protocols supported by PROFINET IOs

IRT

IRT

No

PROFIBUS

No

Supports EtherNet/IP protocol

EtherNet/IP protocol supported

MPI

No

Protocol (Ethernet)

TCP/IP

TCP/IP

DHCP

DHCP

SNMP

DHCP

DCP

Yes

LLDP

LLDP

Web Properties

● HTTP

No

● HTML

No

Other protocols

● CAN No

● MODBUS yes; Modicon (MODBUS TCP/IP)

Alarm/Diagnostic/Status Information

Diagnostics

● Diagnostic information readable No

EMV

Suppression of radio-etheretheric interference according to EN 55 011 ● Limit value class A for industrial applications

● Limit value class A for use in industry Yes

Limit value class B for use in residential areas No

Protection class and type of protection

IP (front) IP65

IP (face) IP65 IP (back) IP20

NEMA (face)

● Including Type 4, face Yes

● Includes Type 4x face yes

Standards, Licenses, Certificates

CE Marking Yes

cULus Yes

RCM (formerly C-TICK) Yes

KC license yes

Use in explosion-proof areas

● ATEX Zone 2 no

● ATEX Zone 22 no

● cULus Class I, Zone 1 no

● cULus Class I, Zone 2, Level 2 Yes

FM Class I, Level 2 No

Shipbuilding license

- Germanischer Lloyd (GL) yes
- American Bureau of Shipping (ABS) Yes
- Bureau Veritas (BV) Yes
- Det Norske Veritas (DNV) Yes
- Lloyd's Register of Shipping (LRS) Yes

Japan Classification Society (Class NK) Yes

Polish Register of Shipping (PRS) No

Environmental requirements

Ambient temperature in operation

Operation (vertical mounting)

- Maximum value when mounted vertically 0 °C

- Maximum value for vertical installation 50 °C

Operating (Maximum Tilt Angle)

- Maximum 0 °C for maximum tilt orientation

- Maximum 40 °C at maximum tilt angle

Ambient temperature for transportation/storage

● Minimum -20 °C Maximum 60 °C

● Maximum 60 °C

Relative air humidity ● Operational, max.

● Operation, max. 90 %; no condensation

Operating system

Proprietary Yes

Preinstalled operating system

Windows CE No

