

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

## 6AV6542-0CA10-0AX0

OP270 OPERATOR PANEL

Used with the applicable SIMATIC HMI operator panels configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product data sheet




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**Product data sheet**
**6AV6542-0CA10-0AX0**


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**Available as a Spare Part Only - subject to availability - SIMATIC OP270 6" OPERATOR PANEL 5.7" STN COLOR DISPLAY**

|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Supply voltage                    |                                                                                                                |
| Supply voltage                    | 24 V DC                                                                                                        |
| permissible range                 | +20.4 V to +28.8 V DC                                                                                          |
| Type of voltage                   | DC                                                                                                             |
| Rated current                     | 0.6 A                                                                                                          |
| UPS connectable (serial)          | Yes                                                                                                            |
| Backup battery                    |                                                                                                                |
| Backup battery                    | optional 3.6 V                                                                                                 |
| minimum backup duration           | 3 a                                                                                                            |
| Memory                            |                                                                                                                |
| Type                              | Flash / RAM                                                                                                    |
| Usable memory for user data       | 2048 KB usable memory for user data                                                                            |
| Time of day                       |                                                                                                                |
| Clock                             |                                                                                                                |
| Type                              | Hardware clock, battery backup, synchronizable                                                                 |
| battery-backed and synchronizable | Yes                                                                                                            |
| Configuration                     |                                                                                                                |
| Configuration tool                | ProTool Version 6 SP 3 or higher, or WinCC flexible Standard Version 2004 or higher (to be ordered separately) |
| 1st configuration kit             | ProTool                                                                                                        |
| Version                           | Version 6 SP 3                                                                                                 |
| Configuration tool                | ProTool                                                                                                        |
| 2nd configuration kit             | WinCC flexible Standard                                                                                        |
| Version                           | Version 2004                                                                                                   |
| Configuration tool                | WinCC flexible                                                                                                 |
| Type                              | Standard                                                                                                       |
| Display                           |                                                                                                                |
| Display type                      | STN, 256 Farben                                                                                                |

|                                                                       |                                                                 |
|-----------------------------------------------------------------------|-----------------------------------------------------------------|
| Design of display                                                     | STN                                                             |
| Size                                                                  | 5.7"                                                            |
| Screen diagonal                                                       | 5.7 in                                                          |
| Resolution (WxH in pixel)                                             | 320 x 240                                                       |
| Color type                                                            | Colors                                                          |
| MTBF backlighting (at 25 °C)                                          | about 40,000 hours                                              |
| Expansions for operator control of the process                        |                                                                 |
| DP direct LEDs (LEDs as S7 output I/O)                                | F1...F8, K1...K10                                               |
| DP direct keys (screen buttons and keys as S7 input I/O )             | F1...F14, K1...K10, Number of bytes for configurable buttons: 4 |
| DC 24 V direct key module/outputs                                     | No                                                              |
| CPI module                                                            | No                                                              |
| Operating mode                                                        |                                                                 |
| Control elements                                                      | Membrane keyboard                                               |
| Operating options                                                     | Keys                                                            |
| Function keys, programmable                                           | 24 function keys, 18 with LEDs                                  |
| Connection for mouse/keyboard/barcode reader                          | USB / USB / USB                                                 |
| external mouse                                                        | USB                                                             |
| external keyboard                                                     | USB                                                             |
| Touch screen                                                          | No                                                              |
| freely inscribable membrane keys                                      | Yes                                                             |
| Number of function keys with LEDs                                     | 18                                                              |
| Numeric/alphabetical input                                            | Yes / Yes                                                       |
| hexadecimal keyboard                                                  | Yes                                                             |
| Multi-key operation                                                   | Yes                                                             |
| Connection for barcode reader                                         | USB                                                             |
| Handwheel                                                             | No                                                              |
| Ambient conditions                                                    |                                                                 |
| Mounting position                                                     | vertical                                                        |
| maximum permissible angle of inclination without external ventilation | +/- 35 °                                                        |
| max. relative humidity (in %)                                         | 90 %                                                            |
| Temperature                                                           |                                                                 |
| Operation (vertical installation)                                     | 0 °C to +50 °C                                                  |
| Operation (max. tilt angle)                                           | 0 °C to +35 °C                                                  |
| Transport, storage                                                    | -20 °C to +60 °C                                                |

|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Degree of protection                     |                                                                           |
| Front                                    | IP65                                                                      |
| IP (at the front)                        | IP65                                                                      |
| Rear                                     | IP20                                                                      |
| IP (rear)                                | IP20                                                                      |
| Certifications & standards               |                                                                           |
| Certifications                           | CE, GL, ABS, DNV, LRS, FM Class I Div. 2, UL, cULus, EX Zone 2/22, C-TICK |
| I/O / Options                            |                                                                           |
| I/O devices                              | Printer, barcode reader                                                   |
| Type of output                           |                                                                           |
| Info LED                                 | Yes                                                                       |
| Power LED                                | No                                                                        |
| Error LED                                | No                                                                        |
| LED colors                               | Green                                                                     |
| Acoustics                                | No                                                                        |
| Interfaces                               |                                                                           |
| Interfaces                               | 2 x RS232, 1 x RS422, 1 x RS485 (max. 12 Mbit/s)                          |
| Number of interfaces/according to RS 485 | 1                                                                         |
| Transmission rate, max.                  | 12 Mbit/s                                                                 |
| PC card slot                             | No                                                                        |
| CF card slot                             | 1 x CF card slot                                                          |
| Multi Media Card slot                    | No                                                                        |
| USB                                      | 1 x USB                                                                   |
| Ethernet                                 | No                                                                        |
| Special interfaces                       | No                                                                        |
| Operating systems                        |                                                                           |
| Operating system                         | Windows CE                                                                |
| other                                    |                                                                           |
| free hotline                             | Yes                                                                       |
| Warranty period                          | 1 a                                                                       |
| Processor                                |                                                                           |
| Processor                                | RISC 32-bit                                                               |
| Processor type                           | RISC 32-bit                                                               |
| Drives                                   |                                                                           |

## Dimensions

|                                              |                                      |
|----------------------------------------------|--------------------------------------|
| Front of enclosure (W x H)                   | 308 mm x 204 mm                      |
| Mounting cutout/Device depth (W x H/D) in mm | 282 mm x 178 mm / 59 mm device depth |

## Dimensions and weight

## Weight

|        |      |
|--------|------|
| Weight | 1 kg |
|--------|------|

|        |              |
|--------|--------------|
| Status | Mar 12, 2010 |
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