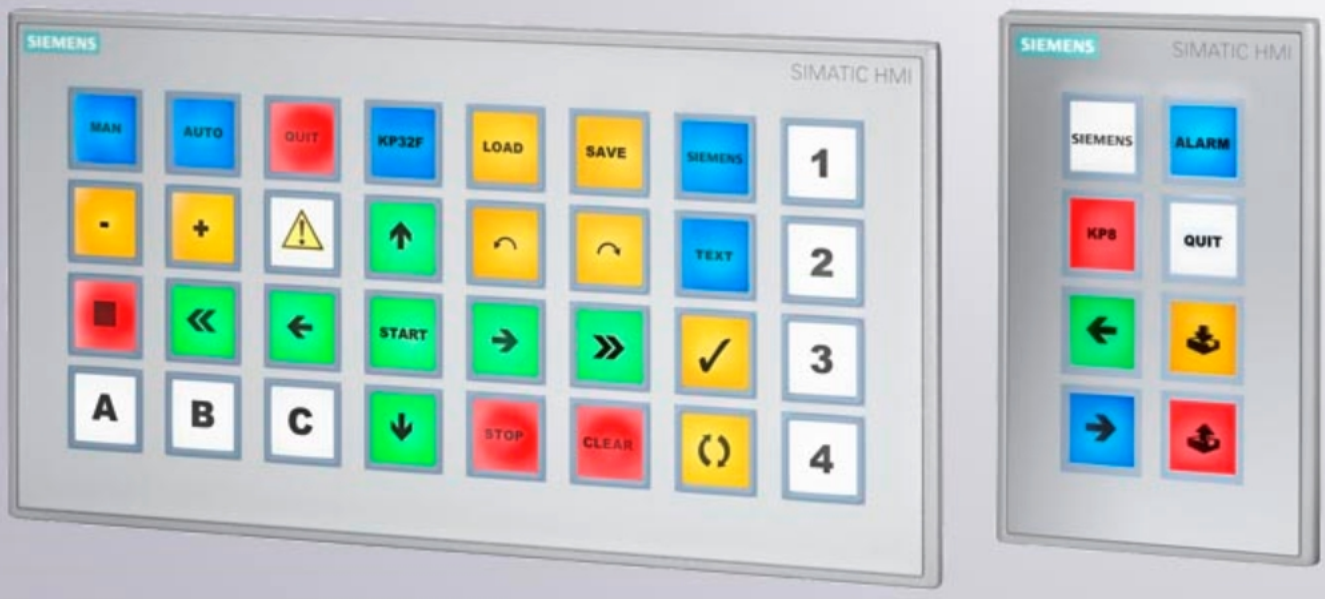
SIEMENS



Product overview for Key panel / extension units

SIMATIC HMI Key Panels

SIMATIC HMI Key Panels - the smart alternative to long-travel keys

The compact SIMATIC HMI Key Panels replace conventional operator panels, but are less expensive because they are pre-assembled and ready for installation.

The devices are designed for direct control cabinet installation and can also be mounted on support arm and pedestal systems from various manufacturers via a flexible mechanism. This means that they can be optimally used on machines in any application - for ergonomic operation at various points in plants or production lines.

http://www.siemens.com/key-panels

Highlights

Time and cost savings thanks to low amount of work for wiring and assembly

- Devices are designed for direct installation in the control cabinet (IP65) and can be mounted using flexible mechanics and support arm and pedestal systems from various manufacturers.
- Devices can be mounted quickly and space-savingly using clamping technology or in a PRO empty enclosure - in the control cabinet as well as next to the machine.
- Pre-assembly ready for installation ensures time savings of over 60% during installation.
- Savings of over 30% in material costs.

Integrated safety functionality ensures fail-safe communication

- Fail-safe transmission of safety-related signals via PROFISAFE.
- For example, a SIL 3 emergency stop button can be connected to two fail-safe inputs (with the F versions).

Interfaces ensure easy integration into the automation solution

- Easy integration into existing automation networks thanks to two PROFINET-capable Ethernet interfaces on-board and integrated switch functionality (without complex cabling and without additional hardware).
- Line and ring structures can be set up.
- Panels can be mounted without gaps next to each other and the 24 V DC power supply can be looped through from the adjacent panel.

Integrated diagnostics ensure high availability

- Interference can be bridged using an integrated redundancy mechanism.
- The Media Redundancy Protocol (MRP) for networks in ring topology compensates, for example, for a cable break or component failure.

Bright keys ensure good operability

- All illuminated pushbuttons have a dimmable LED backlight.
- Five colors (red, green, blue, white, yellow) can additionally be displayed event-controlled.

A wide range of connection options create flexibility in application

- Integrated digital I/Os on the back of the device for connecting key switches, indicator lights, etc.

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Key panel / extension units

	Article number
SIMATIC HMI KP8F PN	6AV3688-3AF37-0AX0
SIMATIC HMI KP8 PN	6AV3688-3AY36-0AX0
SIMATIC HMI KP32F PN	6AV3688-3EH47-0AX0
Extension Units	

SIPLUS

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: Safety-related component

* By clicking on the article number, you will be taken to the product in the TIA Selection Tool cloud.

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