

Thought-out down to the last detail

The SIMATIC HMI Key Panels impress users by offering maximum flexibility in the most restricted space – and at an extremely favorable price. They also offer an abundance of other benefits.

Safe data traffic with PROFINET

With two PROFINET-enabled Ethernet interfaces onboard and integral switch functionality, the KP8 PN can be integrated extremely easily into existing automation networks – without costly cabling or additional hardware.

High availability and integral diagnostics

Faults can be bridged by means of an integral redundancy mechanism. A wire break or component failure, for example, can be offset by the Media Redundancy Protocol (MRP) for networks with a ring topology.

Compact and rugged

Fast, space-saving attachment of the compact devices using clamps or a PRO empty enclosure – in the control cabinet as well as next to the machine.

24 V voltage supply can be looped through

The SIMATIC HMI Key Panels can be installed next to each other without gaps, and the 24 V voltage supply can be simply looped through from the neighboring panel.

Simply everything in view

The illuminated pushbuttons can be labeled individually and all have dimmable LED backlighting. In addition, process-controlled display of five colors (red, green, blue, white and yellow) is possible.

SIMATIC HMI KP8F PN: the fail-safe version

With its integral safety functionality, the KP8F PN guarantees error-free transfer of safety-related signals via PROFIsafe. There are two fail-safe inputs for the connection of a SIL 3 emergency stop pushbutton, for example.

Selection and ordering data

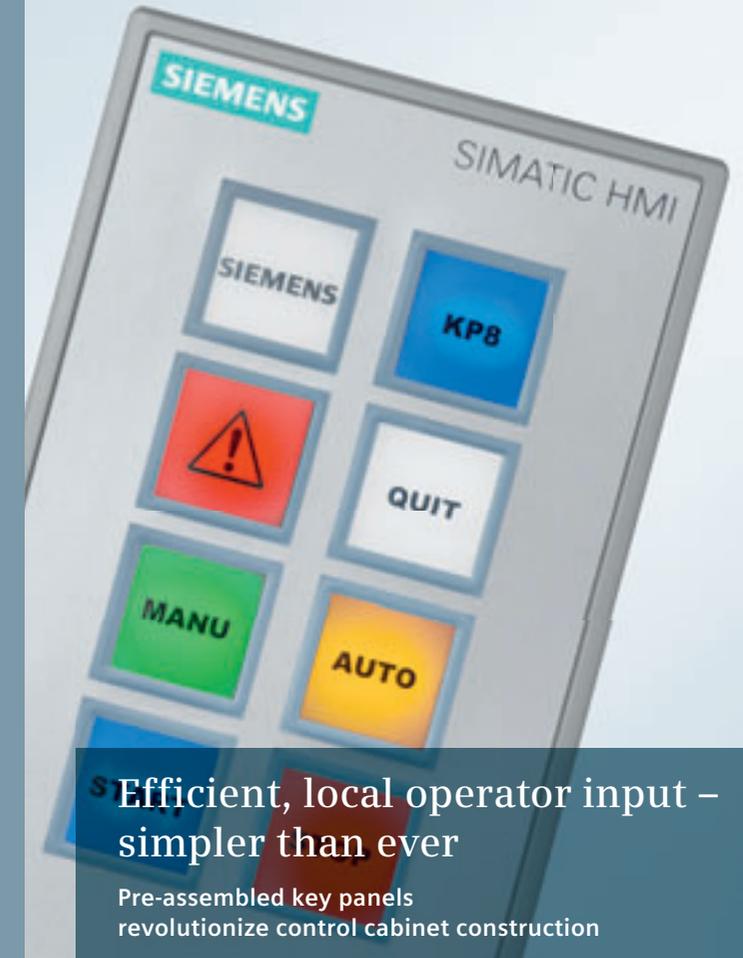
| Product | Description | Order No. |
|-----------------------|--------------------|--------------------|
| SIMATIC HMI KP8 PN | | 6AV3688-3AY36-0AX0 |
| SIMATIC HMI KP8F PN | | 6AV3688-3AF37-0AX0 |
| SIMATIC HMI KP32F PN | | 6AV3688-3EH47-0AX0 |
| Accessories | | |
| Connector set, 12-pin | for KP8 | 6AV6671-3XY38-4AX0 |
| Connector set, 16-pin | for KP8F and KP32F | 6AV6671-3XY48-4AX0 |
| Connector set, 24-pin | for KP32F | 6AV6671-3XY58-4AX0 |
| Connector set, 2-pin | for KP32F | 6ES7193-4JB00-0AA0 |

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SIEMENS



Efficient, local operator input – simpler than ever

Pre-assembled key panels revolutionize control cabinet construction

SIMATIC HMI Key Panels

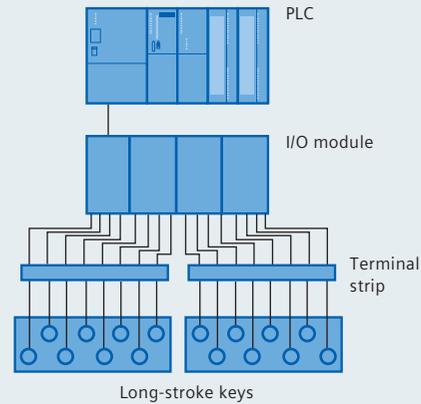
SIMATIC HMI Key Panels: the shrewd alternative to long-stroke keys

Save on costs, not on functionality

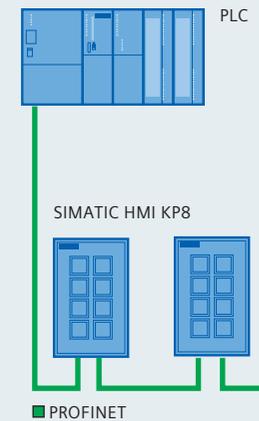


Reduced wiring costs

Conventional wiring

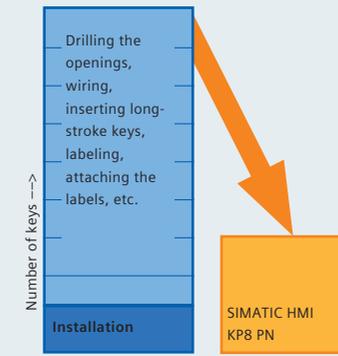


Integration of the Key Panels



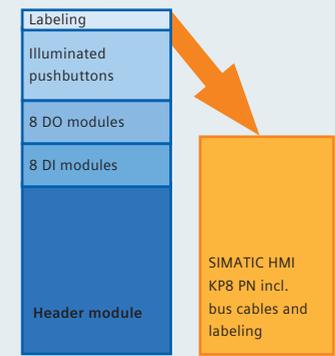
Time and cost savings

Time savings of up to 60% even from just 3 keys



Even from just 3 keys, you'll save time with installation and commissioning.

Cost savings of up to 36%



Typical calculation for the use of just 6 keys. Results in time savings of 36% compared to conventional wiring.

In the past, operator input to a machine was only rarely possible without permanently wired operator controls. Whether you were dealing with emergency stop, pushbuttons, switches, indicator lights, or key-operated switches: All these controls had to be planned, ordered, installed, wired, labeled and maintained. Their time-consuming and often error-prone individual installation constituted a significant cost item in control cabinet construction. Siemens proves that it can be done more efficiently and cost effectively – with the new SIMATIC HMI Key Panels.

User-friendly and safe

As a bus-enabled alternative to long-stroke keys, our SIMATIC HMI Key Panels have been designed for operator input direct to the machine. The eight large illuminated pushbuttons can be operated conveniently and safely even with gloves: tactile feedback allows the operator to feel and hear the clicking of the keys on activation. Fault-free operation is guaranteed thanks to ruggedness, high degree of protection IP65 (on the front), and a temperature range between 0 °C and 55 °C.

Significantly simpler ...

With the SIMATIC HMI Key Panels, many basic functions can be combined to optimize costs, and the configuring and installation overhead can be reduced to a minimum. Compared to conventional installation, the use of a pre-assembled, ready-to-install key panel reduces the wiring overhead to a minimum.

... faster ...

Cutting out the openings, installing the keys, laying and attaching the cables, and engraving and fitting the labels. All these work steps meant that the installation and wiring of individual long-stroke keys and switches used to be extremely time consuming – and the process was also highly error-prone. All that is now in the past thanks to the SIMATIC HMI Key Panels. Time savings of up to 80% are now possible.

... and more cost-effective

You also profit from significant savings in material costs. Integration into a key panel pays off, even from just three keys. Keys that are not required initially can be activated later at any time by configuring.