

Operator panels

SIMATIC HMI Key Panels

SIMATIC HMI KP8/KP8F/32F

Technical specifications (continued)

Article number	6AV3688-3XY38-3AX0 KP8 DESIGN BLANK FRONT
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	55 °C
• Operation (vertical installation)	
- For vertical installation, min.	0 °C
- For vertical installation, max.	55 °C
• Operation (max. tilt angle)	
- At maximum tilt angle, min.	0 °C
- At maximum tilt angle, min.	45 °C
• Operation (vertical installation, portrait format)	
- For vertical installation, min.	0 °C
- For vertical installation, max.	45 °C
• Operation (max. tilt angle, portrait format)	
- At maximum tilt angle, min.	0 °C
- At maximum tilt angle, min.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	95 %
Mechanics/material	
Type of housing (front)	
• plastic	No
• aluminum	Yes
• Stainless steel	No
Dimensions	
Width of the housing front	98 mm
Height of housing front	155 mm
Mounting cutout, width	68 mm; Max. thickness of mounting plate 2-6 mm
Mounting cutout, height	129 mm
Overall depth	49 mm
Weights	
Without packaging	240 g

Ordering data

Article No.

SIMATIC HMI KP8 PN	6AV3688-3AY36-0AX0
Key Panel, 8 short-stroke keys with multicolored LEDs, PROFINET interfaces, 2 x parameterizable with STEP 7 V5.5 or higher	
SIMATIC HMI KP8F PN	6AV3688-3AF37-0AX0
Key Panel, 8 short-stroke keys with multicolored LEDs, PROFINET interfaces with PROFI-safe, parameterizable with STEP 7 V5.5 or higher; 4 additional fail-safe inputs. Can be used as 2 x SIL 2 or 1 x SIL 3	
SIMATIC HMI KP32F PN	6AV3688-3EH47-0AX0
Key Panel, 32 short-stroke keys with multicolored LEDs, PROFINET interfaces with PROFI-safe, parameterizable with STEP 7 V5.5 or higher; including 8 fail-safe inputs. Can be used as 4 x SIL 2 or 2 x SIL 3	
Empty front design	6AV3688-3XY38-3AX0
for standard 22.5 mm operator controls, same mounting dimensions as KP8	
Demo case	A5E31477788
SIMATIC HMI Key Panel – low-cost demo and experiment case	Only by fax to Siemens AG, Mr. Michael Christ, Industry Sector, I IA CE SE MF RS FDS, Würzburger Str. 121, 90766 Fürth, Germany, Tel.: +49 911 750-4128, Fax: +49 911 750-2411
• Includes:	
- 1x case	
- 1x KP8 PN	
- 1x CPU1211C	
- 1x stand, permanently wired, including program	
• Power supply possible with a standard laptop mains adapter (not included in scope of supply)	
Documentation	http://support.automation.siemens.com/WW/view/en/56652789
You can find the manual for the Key Panels on the Internet at:	
Accessories	See SIMATIC HMI accessories, chapter 7

Customized Automation

Customized hardware

Design products

Ordering data

According to size of display	Device type	Article No. of the basic product	Minimum order quantity p.a. Design variant A/B	Minimum order quantity per order Design variant Express design
Touch				
7 inch	HMI TP700 Comfort	6AV2124-0GC01-0AX0	75	3
9 inch	HMI TP900 Comfort	6AV2124-0JC01-0AX0	75	3
12 inch	HMI TP1200 Comfort	6AV2124-0MC01-0AX0	50	3
15 inch	HMI TP1500 Comfort	6AV2124-0QC02-0AX0	50	3
	HMI TP1500 Basic color PN	6AV6647-0AG11-3AX0	50	on request
19 inch	HMI TP1900 Comfort	6AV2124-0UC02-0AX0	50	2
22 inch	HMI TP2200 Comfort	6AV2124-0XC02-0AX0	50	-
Key				
3 inch	HMI KP8 PN	6AV3688-3AY36-0AX0	on request	-
	HMI KP8F PN	6AV3688-3AF37-0AX0	on request	-
	HMI KP300 Basic mono PN	6AV6647-0AH11-3AX0	200	-
4 inch	HMI KTP400 Basic	6AV2123-2DB03-0AX0	200	on request
	HMI KTP400 Comfort	6AV2124-2DC01-0AX0	100	on request
	HMI KP400 Comfort	6AV2124-1DC01-0AX0	100	-
	HMI KTP400 Basic mono PN	6AV6647-0AA11-3AX0	200	-
	HMI KP400 Basic color	6AV6647-0AJ11-3AX0	200	-
	HMI KTP400 Basic Color	6AV6647-0AK11-3AX0	200	-
	7 inch	HMI KTP700 Basic	6AV2123-2GB03-0AX0	200
HMI KP700 Comfort		6AV2124-1GC01-0AX0	75	-
HMI KTP600 Basic mono PN		6AV6647-0AB11-3AX0	200	-
HMI KTP600 Basic color DP		6AV6647-0AC11-3AX0	200	-
HMI KTP600 Basic color PN		6AV6647-0AD11-3AX0	200	-
9 inch	HMI KTP900 Basic	6AV2123-2JB03-0AX0	175	on request
	HMI KP900 Comfort	6AV2124-1JC01-0AX0	75	-
12 inch	HMI KP1200 Comfort	6AV2124-1MC01-0AX0	50	-
	HMI KTP1000 Basic color DP	6AV6647-0AE11-3AX0	75	-
	HMI KTP1000 Basic color PN	6AV6647-0AF11-3AX0	75	-
15 inch	HMI KP1500 Comfort	6AV2124-1QC02-0AX0	50	-