## **SIEMENS**

## **Data sheet**

6AV3688-3EH47-0AX0

SIMATIC HMI KP32F PN, Key Panel, 32 short-stroke keys with multi-colored LEDs, PROFINET interfaces with PROFIsafe, 16 DI+16 DI/DO, 4 safety DI pins, 24 V DC can be looped through parameterizable as of STEP 7 V5.5



General information	
Product type designation	KP32F PN
Control elements	
With parameterizable keys	Yes
Keyboard fonts	
Membrane keyboard	
<ul> <li>user-definable label membrane keys</li> </ul>	Yes
<ul><li>Function keys</li></ul>	
<ul> <li>Number of function keys</li> </ul>	32
Short-stroke keys	
Number of short-stroke keys	32
Expansions for operator control of the process	
<ul> <li>DP direct LEDs (LEDs as S7 output I/O)</li> </ul>	8; Adjustable brightness
<ul> <li>Number of color modes for LED</li> </ul>	5; red, green, blue, yellow, white
Direct keys (keys as S7 input I/O)	32
Installation type/mounting	
Mounting type	Mounting clip
Mounting position	vertical
Rack mounting	No
Front mounting	Yes
Rail mounting	No
Wall mounting/direct mounting	No
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	30°; To the front/rear
Number of slots for command devices and signaling units	0
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V; 24 V looped through at connector, no interruption on pulling
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	1 A
Type of output	
LED colors	
• red	Yes
• yellow	Yes
	103

• white	Yes
• blue	Yes
Digital inputs	
Number of digital inputs	32; Total inputs and outputs max. 32 and 2x SIL 2 or 4x SIL 3
Input voltage	5-, . Star impacts and suspense man. 52 and 27. Sie 2 of 47. Sie 5
Rated value (DC)	24 V
Digital outputs	27 V
	4C: May 20 inputs and autoute (tatal)
Number of digital outputs	16; Max. 32 inputs and outputs (total) Yes
Short-circuit protection	Tes
Switching capacity of the outputs	100 mA
with resistive load, max.  Output voltage	100 mA
Output voltage	24 V: Non incloted
Rated value (DC)  Total current of the cutoute	24 V; Non-isolated
Total current of the outputs	100 mA
Current per channel, max.	
Current per group, max.	800 mA
Interfaces	
Number of industrial Ethernet interfaces	2; For the construction of lines and rings without external switch
Number of PROFINET interfaces	2; Incl. switch
Industrial Ethernet	
Industrial Ethernet status LED	2; Per port
Number of ports of the integrated switch	2; Per port
Protocols	
PROFINET	Yes; incl. shared device, 3rd party PLC
Supports protocol for PROFINET IO	Yes
PROFINET CBA	No
IRT	Yes
PROFIsafe	Yes; 2x SIL 3 (two-channel) or 4x SIL 2 (single-channel) emergency stop sensors
PROFIBUS	No
EtherNet/IP	No
MPI	No
AS-Interface	No
EIB/KNX	No
Protocols (Ethernet)	
• TCP/IP	No
Redundancy mode	
Media redundancy	
— MRP	Yes
Further protocols	
AS-Interface Safety at Work	No
• CAN	No
Data-Highway	No
DeviceNet	No
DeviceNet Safety	No
Foundation Fieldbus	No
INTERBUS	No
INTERBUS     INTERBUS-Safety	No
Local Operating Network	No
MODBUS	No
SafetyBUS p	No
• SERCOS	No
• SUCOnet	No
other bus systems	No
· .	INO
Test commissioning functions	Voc. During quitch on
Illuminant test	Yes; During switch on
Key and signal lamp test	Yes; automatically when switching on
EMC	
Emission of radio interference acc. to EN 55 011	

<ul> <li>Limit class A, for use in industrial areas</li> </ul>	Yes; Group 1, measured at a distance of 10 m
Limit class A, for use in industrial areas     Limit class B, for use in residential areas	No
Degree and class of protection	110
	IDGE
IP (at the front) IP (rear)	IP65 IP20
	IP20
NEMA (front)	No
Enclosure Type 4 at the front     Find course Type 4x at the front	No
Enclosure Type 4x at the front	Yes; Incl. NEMA12
Standards, approvals, certificates	V.
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
CCC	No; not necessary
Suitable for safety functions	Yes
Use in hazardous areas	
• ATEX Zone 2	No 
• ATEX Zone 22	No 
• cULus Class I Zone 1	No 
• cULus Class I Zone 2, Division 2	No 
FM Class I Division 2	No
Marine approval	
Germanischer Lloyd (GL)	No
<ul> <li>American Bureau of Shipping (ABS)</li> </ul>	No
<ul><li>Bureau Veritas (BV)</li></ul>	No
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	No
Polski Rejestr Statkow (PRS)	No
Ambient conditions	
Ambient temperature device an exetit	
Ambient temperature during operation	
Ambient temperature during operation     min.	0 °C
min.     max.	0 °C 55 °C
• min.	55 °C
<ul><li>min.</li><li>max.</li><li>Operation (vertical installation)</li><li>— For vertical installation, min.</li></ul>	55 °C 0 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> </ul>	55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> </ul>	55 °C 0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> </ul>	55 °C  0 °C  55 °C  0 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> </ul>	55 °C 0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> </ul>	55 °C  0 °C  55 °C  0 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> </ul>	55 °C  0 °C  55 °C  0 °C  45 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation) <ul> <li>For vertical installation, min.</li> <li>For vertical installation, max.</li> </ul> </li> <li>Operation (max. tilt angle) <ul> <li>At maximum tilt angle, min.</li> <li>At maximum tilt angle, max.</li> </ul> </li> <li>Operation (vertical installation, portrait format) <ul> <li>For vertical installation, min.</li> <li>For vertical installation, max.</li> </ul> </li> <li>Operation (max. tilt angle, portrait format) <ul> <li>At maximum tilt angle, min.</li> <li>At maximum tilt angle, max.</li> </ul> </li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  -20 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> </ul> Ambient temperature during storage/transportation <ul> <li>min.</li> <li>max.</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  -20 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>max.</li> <li>Relative humidity</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>max.</li> <li>Relative humidity</li> <li>Operation, max.</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>max.</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>configuration / header</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 45 °C  0 °C 55 °C
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>max.</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>configuration / header</li> <li>Configuration software</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  0 °C 55 °C  -20 °C 60 °C  95 %; no condensation
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation) <ul> <li>For vertical installation, min.</li> <li>For vertical installation, max.</li> </ul> </li> <li>Operation (max. tilt angle) <ul> <li>At maximum tilt angle, min.</li> <li>At maximum tilt angle, max.</li> </ul> </li> <li>Operation (vertical installation, portrait format) <ul> <li>For vertical installation, min.</li> <li>For vertical installation, max.</li> </ul> </li> <li>Operation (max. tilt angle, portrait format) <ul> <li>At maximum tilt angle, min.</li> <li>At maximum tilt angle, max.</li> </ul> </li> <li>Ambient temperature during storage/transportation <ul> <li>min.</li> <li>max.</li> </ul> </li> <li>Relative humidity <ul> <li>Operation, max.</li> </ul> </li> <li>Configuration / header</li> </ul> <li>Configuration software <ul> <li>STEP 7 Basic (TIA Portal)</li> <li>STEP 7 Professional (TIA Portal)</li> </ul> </li>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  0 °C 45 °C  -20 °C 60 °C  95 %; no condensation
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>• min.</li> <li>• max.</li> <li>Relative humidity</li> <li>• Operation, max.</li> <li>configuration / header</li> <li>Configuration software</li> <li>• STEP 7 Basic (TIA Portal)</li> <li>• STEP 7 Professional (TIA Portal)</li> <li>Functionality under WinCC (TIA Portal)</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  0 °C 45 °C  -20 °C 60 °C  95 %; no condensation
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>• min.</li> <li>• max.</li> <li>Relative humidity</li> <li>• Operation, max.</li> <li>configuration / header</li> <li>Configuration software</li> <li>• STEP 7 Basic (TIA Portal)</li> <li>• STEP 7 Professional (TIA Portal)</li> <li>Functionality under WinCC (TIA Portal)</li> <li>Process coupling</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  95 °C  0 °C 45 °C  720 °C 60 °C  95 %; no condensation
<ul> <li>min.</li> <li>max.</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>Ambient temperature during storage/transportation</li> <li>• min.</li> <li>• max.</li> <li>Relative humidity</li> <li>• Operation, max.</li> <li>configuration / header</li> <li>Configuration software</li> <li>• STEP 7 Basic (TIA Portal)</li> <li>• STEP 7 Professional (TIA Portal)</li> <li>Functionality under WinCC (TIA Portal)</li> </ul>	55 °C  0 °C 55 °C  0 °C 45 °C  0 °C 55 °C  0 °C 45 °C  -20 °C 60 °C  95 %; no condensation

• S7-200	No
• S7-300/400	Yes; with F-CPU: STEP 7 V11 SP1 or higher and Safety V11 (or higher), without F-CPU STEP 7 or SIMATIC STEP 7 Basic V11 (or higher)
• LOGO!	No
<ul><li>WinAC</li></ul>	Yes
• SINUMERIK	No
• SIMOTION	No
<ul> <li>Allen Bradley (EtherNet/IP)</li> </ul>	No
<ul> <li>Allen Bradley (DF1)</li> </ul>	No
<ul> <li>Mitsubishi (MC TCP/IP)</li> </ul>	No
<ul><li>Mitsubishi (FX)</li></ul>	No
<ul><li>OMRON (FINS TCP)</li></ul>	No
<ul> <li>OMRON (LINK/Multilink)</li> </ul>	No
<ul> <li>Modicon (Modbus TCP/IP)</li> </ul>	No
<ul><li>Modicon (Modbus)</li></ul>	No
Mechanics/material	
Enclosure material (front)	
Enclosure material (front)  • Plastic	No
	No Yes
• Plastic	
<ul><li>Plastic</li><li>Aluminum</li></ul>	Yes
<ul><li>Plastic</li><li>Aluminum</li><li>Stainless steel</li></ul>	Yes
<ul><li>Plastic</li><li>Aluminum</li><li>Stainless steel</li></ul> Service life	Yes No
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> </ul> Service life <ul> <li>Short-stroke keys (in switching cycles)</li> </ul>	Yes No 1 500 000
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> </ul> Service life <ul> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> </ul>	Yes No 1 500 000
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> </ul> Service life <ul> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> </ul> Dimensions	Yes No 1 500 000 100 %
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> <li>Service life</li> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> <li>Dimensions</li> <li>Width of the housing front</li> </ul>	Yes No  1 500 000 100 %  295 mm
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> </ul> Service life <ul> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> </ul> Dimensions Width of the housing front Height of housing front	Yes No  1 500 000 100 %  295 mm 155 mm
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> <li>Service life</li> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> <li>Dimensions</li> <li>Width of the housing front</li> <li>Height of housing front</li> <li>Mounting cutout, width</li> </ul>	Yes No  1 500 000 100 %  295 mm 155 mm 277 mm; Max. thickness of mounting plate 2 - 6 mm
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> <li>Service life</li> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> <li>Dimensions</li> <li>Width of the housing front</li> <li>Height of housing front</li> <li>Mounting cutout, width</li> <li>Mounting cutout, height</li> </ul>	Yes No  1 500 000 100 %  295 mm 155 mm 277 mm; Max. thickness of mounting plate 2 - 6 mm 137 mm
<ul> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> <li>Service life</li> <li>Short-stroke keys (in switching cycles)</li> <li>LEDs (ON period)</li> <li>Dimensions</li> <li>Width of the housing front</li> <li>Height of housing front</li> <li>Mounting cutout, width</li> <li>Mounting cutout, height</li> <li>Overall depth</li> </ul>	Yes No  1 500 000 100 %  295 mm 155 mm 277 mm; Max. thickness of mounting plate 2 - 6 mm 137 mm