6AV2127-1AB00-0LX1

**Data sheet** 

SIMATIC HMI KP8 PN LX, 8 short-stroke switches long, 1-6 mm sheet thickness, PN interfaces, black neutral design, 8 configurable DI/DQ pins, 24 V DC can be looped through, parameterizable as of STEP 7 V5.5





General information	
Product type designation	Key Panel KP8 PN LX (1 6 mm)
Control elements	
With parameterizable keys	Yes
Keyboard fonts	
Membrane keyboard	
<ul> <li>user-definable label membrane keys</li> </ul>	No; possible via adjacent display
<ul> <li>Function keys</li> </ul>	with L-pattern at key edge
<ul> <li>Number of function keys</li> </ul>	8; 19 x 19 mm per button
Short-stroke keys	
— Number of short-stroke keys	8
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
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>	8
Installation type/mounting	
Mounting type	clamp fastening with additional mounting clips
Mounting position	Horizontal, vertical
Rack mounting	No
Front mounting	Yes; mounting clip - Torx T20 tighten to 0.2 Nm; enclosure - Torx T10 tighten to 0.2 Nm
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 can be looped through connector, interrupted when pulled
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	0.3 A
Type of output	
LED colors	
• red	Yes; Adjustable brightness
• yellow	Yes; Adjustable brightness
• green	Yes; Adjustable brightness

e white	Voc. Adjustable brightness	
white     blue	Yes: Adjustable brightness	
• blue Digital inputs	Yes; Adjustable brightness	
Number of digital inputs	8; Max. 8 inputs and outputs (total)	
Input voltage	ο, Ινιαλ. ο πιραίο απα σαίραιο (τοταί)	
Rated value (DC)	24 V	
Digital outputs		
Number of digital outputs	8; Max. 8 inputs and outputs (total)	
Short-circuit protection	Yes	
Switching capacity of the outputs		
with resistive load, max.	100 mA	
Output voltage		
Rated value (DC)	24 V; Non-isolated	
Total current of the outputs		
<ul> <li>Current per channel, max.</li> </ul>	100 mA	
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	V 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
PROFINET	Yes; also 3rd party PLC	
Supports protocol for PROFINET IO	Yes	
PROFINET CBA	No Ves	
PROFIsafe	Yes No	
PROFIBUS 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	
<ul><li>Data-Highway</li></ul>	No	
DeviceNet	No	
DeviceNet Safety	No	
Foundation Fieldbus	No	
INTERBUS     INTERBUS Cofety	No No	
INTERBUS-Safety     I and Operating Network	No No	
<ul><li>Local Operating Network</li><li>MODBUS</li></ul>	No No	
SafetyBUS p	No	
• SaletyBUS p • SERCOS	No	
• SUCOnet	No	
other bus systems	No	
Test commissioning functions		
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		
Limit class A, for use in industrial areas	Yes; Group 1, measured at a distance of 10 m	
Limit class B, for use in residential areas	No	

Picto Front       Pip6       Pictosure	Degree and class of protection	
Preary		IP64
NEMA (front)		
		No
■ Enclosure Type 12 at the front  CE mark  CE mark  Ves  CSA approval  Li approval  No  CULus  No  RCDI (formerly C-TICK)  No  RCDI (formerly C-TICK)  No  RCDI (formerly C-TICK)  No  RCDI (formerly Gost-R)  No  RCDI (formerly Gost-R)  No  RCDI (formerly Gost-R)  No  RODI (formerly Gost-R)  No  RODI (formerly Gost-R)  No  Rodi (formerly Gost-R)  No  Rodi (formerly Gost-R)  No  No  Rodi (formerly Gost-R)  No  No  Marine approval  No  Ves in hazardous areas  ■ *TEX Zone 2  ■ *TEX Zon		
Sandards, approvals, certificates   Yes	**	
DE mark		110
CSA approval		Von
UL approval		
CULUS		
FM approval	• •	
RCM (promety C-TICK)   No		
Maintenance		
EAC (formerly Gost-R)		
CCC Sutable for safety functions No Marine approval Use in hazardous areas  • ATEX Zone 2 • CULus Class I Zone 1 • CULus Class I Zone 2 Division 2 • EM Class I Division 3 • Em Class I Division 3 • Em Class I Division 4 • Em Class I Division 4 • Em Class I Division 5 • Em Class I Division 6 • Em Class I Division 7 • E		
Suitable for safety functions  Marine approval  ATEX Zone 2  ATEX Zone 2  ATEX Zone 2  ATEX Zone 2  AULUS Class I Zone 1  AULUS Class I Zone 2  AURUS Class I Zone 2  AURUS Class I Zone 2  AURUS Class I Zone 3  AURUS Class I Zone 4  AURUS Class I Zone 5  AURUS Class I Zone 5  AURUS Class I Zone 5  AURUS Class I Zone 6  AURUS Class I Zone 6  AURUS Class I Zone 7  AURUS Class I Zone 7  AURUS Class I Zone 8  AURUS Class I Zone 9  AURUS Clas		
Marine approval   No		
ATEX Zone 2	·	
		No
CULus Class I Zone 2, Division 2 No  FM Class I Division 2 No  Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Morske Veritas (DNV) Lloyds Register of Shipping (LRS) No No No Lloyds Register of Shipping (LRS) No		No
Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) D		No
Germanischer Lloyd (GL)  Germanischer Lloyd (GL)  American Bureau of Shipping (ABS)  Bureau Veritas (BV)  Det Norske Veritas (DNV)  Lloyds Register of Shipping (LRS)  No  Nippon Kaiji Kyokai (Class NK)  Polski Rejestr Statkow (PRS)  Ambient temperature during operation  min.  min.  For vertical installation, min.  At maximum tilt angle, min.  Orc  Operation (vertical installation, portrait format)  Arm aximum tilt angle, min.  For vertical installation, min.  For vertical installation, min.  At maximum til angle, min.  Orc  Operation (vertical installation, portrait format)  For vertical installation, min.  Orc  Operation (vertical installation, portrait format)  Arm aximum til angle, min.  Orc  Operation (vertical installation, min.  For vertical i	<ul> <li>cULus Class I Zone 2, Division 2</li> </ul>	No
	FM Class I Division 2	No
American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) No Lloyds Register of Shipping (LRS) No Nippon Kaiji Kyokal (Class NK) No Polski Rejest Statkow (PRS) No  Ambient conditions  Ambient temperature during operation min. o °C max. Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, max. Operation (vertical installation, min. — For vertical installation, max. Operation (wax. tilt angle) — At maximum tilt angle, max. Operation (vertical installation, min. — For vertical installation, min. O °C Operation (vertical installation, portrait format) — For vertical installation, min. O °C Operation (vertical installation, min. O °C Operation (vertical installation, min. O °C Operation (vertical installation, max. Operation (wax. tilt angle, min. — For vertical installation, max. Operation (max. tilt angle, min. — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (max. tilt angle, max. Operation of c  Ambient temperature during storage/transportation  min. — At maximum tilt angle, max. O °C  Ambient temperature during storage/transportation  o min. — 20 °C  max. Relative humidity Operation, max. Operation, max. Operation, max. Operation of ware  • STEP 7 Basic (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)	Marine approval	
Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) No Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) No  Ambient conditions  Ambient conditions  Ambient temperature during operation  min. min. min. min. min. min. min. mi	<ul> <li>Germanischer Lloyd (GL)</li> </ul>	No
Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) No Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) No  Ambient conditions  Ambient conditions  Ambient temperature during operation max. 60 °C Operation (vertical installation) For vertical installation, min. For vertical installation, max. 60 °C Operation (max. tilt angle) At maximum tilt angle, min. O °C Operation (vertical installation, portrait format) For vertical installation, max. 60 °C Operation (max. tilt angle) At maximum tilt angle, max. Operation (vertical installation, portrait format) For vertical installation, max. Operation (vertical installation, portrait format) For vertical installation, max. Operation (max. tilt angle, portrait format) At maximum tilt angle, max. Operation (max. tilt angle, portrait format) At maximum tilt angle, min. O °C Operation (max. tilt angle, portrait format) At maximum tilt angle, max. Operation (max. tilt angle, max. Operation	<ul> <li>American Bureau of Shipping (ABS)</li> </ul>	No
■ Lloyds Register of Shipping (LRS) ■ Nippon Kalji Kyokai (Class NK) No Polski Rejestr Statkow (PRS) No  Ambient conditions  Ambient temperature during operation ■ min. ■ max. Operation (vertical installation) ■ For vertical installation, min. ■ For vertical installation, max. Operation (max. tilt angle) ■ At maximum tilt angle, min. ■ At maximum tilt angle, min. ■ For vertical installation, mox. Operation (vertical installation, protrait format) ■ For vertical installation, protrait format) ■ For vertical installation, protrait format) ■ For vertical installation, min. ■ For vertical installation, min. ■ For vertical installation, min. ■ For vertical installation, max. Operation (max. tilt angle, portrait format) ■ At maximum tilt angle, min. ■ At maximum tilt angle, min. ■ At maximum tilt angle, min. ■ At maximum tilt angle, max.  Anbient temperature during storage/transportation ■ min. ■ At maximum tilt angle, max.  Anbient temperature during storage/transportation ■ min. ■ 20 °C  Relative humidity ■ Operation, max.  70 °C  Relative humidity ■ Operation, max.  STEP 7 Basic (TIA Portal) ■ STEP 7 Professional (TIA Portal)	Bureau Veritas (BV)	No
Nippon Kaiji Kyokai (Class NK)     Polski Rejestr Statkow (PRS)     No  Ambient conditions  Ambient temperature during operation     • min.     • max.     60 °C  Operation (vertical installation, min.     — For vertical installation, max.     60 °C  Operation (max. tilt angle)     — At maximum tilt angle, min.     — For vertical installation, portrait format)     — For vertical installation, portrait format)     — Por vertical installation, portrait format)     — For vertical installation, min.     — At maximum tilt angle, portrait format)     — At maximum tilt angle, portrait format)     — At maximum tilt angle, min.     — O°C     — At maximum tilt angle, max.     — 60 °C  Ambient temperature during storage/transportation     • min.     • max.     70 °C  Relative humidity     • Operation, max.     95 %; no condensation  configuration / header  Configuration / header  Configuration software     • STEP 7 Basic (TIA Portal)     • STEP 7 Professional (TIA Portal)	<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
● Polski Rejestr Statkow (PRS)  Ambient conditions  Ambient temperature during operation  ● min. 0 ° C  ● max. 60 ° C  Operation (vertical installation)  — For vertical installation, min. 0 ° C  — For vertical installation, max. 60 ° C  Operation (max. tilt angle)  — At maximum tilt angle, min. 0 ° C  — At maximum tilt angle, max. 60 ° C  Operation (vertical installation, portrait format)  — For vertical installation, portrait format)  — For vertical installation, min. 0 ° C  — Por vertical installation, min. 0 ° C  — Por vertical installation, max. 60 ° C  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. 0 ° C  — At maximum tilt angle, min. 0 ° C  — At maximum tilt angle, min. 0 ° C  — At maximum tilt angle, max. 60 ° C  Ambient temperature during storage/transportation  ● min. 20 ° C  • max. 70 ° C  Relative humidity  • Operation / header  Configuration / header  Configuration software  • STEP 7 Basic (TIA Portal) Yes  Functionality under WinCC (TIA Portal)	<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
Ambient conditions  Ambient temperature during operation  • min. • max. 60 °C  Operation (vertical installation)  — For vertical installation, min. 0 °C — For vertical installation, max. 60 °C  Operation (max. tilt angle)  — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Operation (vertical installation, portrait format)  — For vertical installation, portrait format)  — For vertical installation, min. 0 °C — For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. — At maximum tilt angle, min. — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min. • max. 70 °C  Relative humidity  • Operation, max. 95 %; no condensation  configuration / header  Configuration / header  • STEP 7 Basic (TIA Portal) Yes  Functionality under WinCC (TIA Portal)	<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	No
Ambient temperature during operation  • min.  • max.  60 °C  Operation (vertical installation)  — For vertical installation, min.  — For vertical installation, max.  60 °C  Operation (max. tilt angle)  — At maximum tilt angle, min.  — At maximum tilt angle, max.  Operation (vertical installation, portrait format)  — For vertical installation, min.  — At maximum tilt angle, portrait format)  — At maximum tilt angle, min.  — At maximum tilt angle, max.  Ambient temperature during storage/transportation  • min.  • max.  70 °C  Relative humidity  • Operation, max.  95 %; no condensation  Configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)	<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	No
<ul> <li>min.</li> <li>max.</li> <li>60 °C</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>60 °C</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>60 °C</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>60 °C</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>60 °C</li> <li>Ambient temperature during storage/transportation</li> <li>• min.</li> <li>-20 °C</li> <li>• max.</li> <li>70 °C</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>Yes</li> <li>STEP 7 Professional (TIA Portal)</li> <li>Yes</li> <li>Functionality under WinCC (TIA Portal)</li> </ul>	Ambient conditions	
<ul> <li>min.</li> <li>max.</li> <li>60 °C</li> <li>Operation (vertical installation)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>60 °C</li> <li>Operation (max. tilt angle)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>60 °C</li> <li>Operation (vertical installation, portrait format)</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, min.</li> <li>— For vertical installation, max.</li> <li>60 °C</li> <li>Operation (max. tilt angle, portrait format)</li> <li>— At maximum tilt angle, min.</li> <li>— At maximum tilt angle, max.</li> <li>60 °C</li> <li>Ambient temperature during storage/transportation</li> <li>• min.</li> <li>-20 °C</li> <li>• max.</li> <li>70 °C</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>Yes</li> <li>STEP 7 Professional (TIA Portal)</li> <li>Yes</li> <li>Functionality under WinCC (TIA Portal)</li> </ul>	Ambient temperature during operation	
max. 60 °C  Operation (vertical installation)  — For vertical installation, min. 0 °C — For vertical installation, max. 60 °C  Operation (max. tilt angle)  — At maximum tilt angle, min. 0 °C — At maximum tilt angle, max. 60 °C  Operation (vertical installation, portrait format)  — For vertical installation, min. 0 °C — For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format)  — For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. 0 °C — At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min20 °C • max. 70 °C  Relative humidity  • Operation, max. 95 %; no condensation  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal) Yes  Functionality under WinCC (TIA Portal)		0°C
Operation (vertical installation)  — For vertical installation, min. — For vertical installation, max.  60 °C  Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max.  60 °C  Operation (vertical installation, portrait format) — For vertical installation, min. — For vertical installation, max.  60 °C  Operation (max. tilt angle, max. 60 °C  Operation (max. tilt angle, max. 60 °C  Operation (max. tilt angle, min. — For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format) — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min. • ran -20 °C  • max.  Relative humidity • Operation, max.  95 %; no condensation  configuration / header  Configuration software • STEP 7 Basic (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		
- For vertical installation, min. 0 °C - For vertical installation, max. 60 °C  Operation (max. tilt angle) - At maximum tilt angle, min. 0 °C - At maximum tilt angle, max. 60 °C  Operation (vertical installation, portrait format) - For vertical installation, min. 0 °C - For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format) - At maximum tilt angle, min. 0 °C - Operation (max. tilt angle, min. 0 °C - At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min20 °C • max. 70 °C  Relative humidity • Operation, max. 95 %; no condensation  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal) Yes  Functionality under WinCC (TIA Portal)		
For vertical installation, max. 60 °C  Operation (max. tilt angle) At maximum tilt angle, min. 0 °C At maximum tilt angle, max. 60 °C  Operation (vertical installation, portrait format) For vertical installation, min. 0 °C For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format) At maximum tilt angle, portrait format) At maximum tilt angle, min. 0 °C At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation min 20 °C max. 70 °C  Relative humidity Operation, max. 95 %; no condensation  configuration / header  Configuration software STEP 7 Basic (TIA Portal) Yes STEP 7 Professional (TIA Portal) Yes For vertical installation, max. 95 %; no condensation		0 °C
Operation (max. tilt angle)  — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Operation (vertical installation, portrait format)  — For vertical installation, min. — For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min. • ran. • ran. • ran. • ran. • Operation, max.  70 °C  Relative humidity • Operation, max. 95 %; no condensation  configuration / header  Configuration software • STEP 7 Basic (TIA Portal) • STEP 7 Professional (TIA Portal) Yes  Functionality under WinCC (TIA Portal)	'	
- At maximum tilt angle, min. 0 °C - At maximum tilt angle, max. 60 °C  Operation (vertical installation, portrait format) - For vertical installation, min. 0 °C - For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format) - At maximum tilt angle, min. 0 °C - At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min20 °C • max. 70 °C  Relative humidity • Operation, max. 95 %; no condensation  configuration / header  Configuration software • STEP 7 Basic (TIA Portal)  Functionality under WinCC (TIA Portal)		
— At maximum tilt angle, max.  Operation (vertical installation, portrait format)  — For vertical installation, min.  — For vertical installation, max.  60 °C  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min.  — At maximum tilt angle, max.  60 °C  Ambient temperature during storage/transportation  • min.  • max.  70 °C  Relative humidity  • Operation, max.  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)	· · · · · · · · · · · · · · · · · · ·	0 °C
Operation (vertical installation, portrait format)  — For vertical installation, min. — For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min. • max. 70 °C  Relative humidity • Operation, max.  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		
- For vertical installation, min For vertical installation, max. 60 °C  Operation (max. tilt angle, portrait format)  - At maximum tilt angle, min At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min 20 °C • max. 70 °C  Relative humidity • Operation, max. 95 %; no condensation  configuration / header  Configuration software • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		
— For vertical installation, max.  Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. — At maximum tilt angle, max.  O °C  Ambient temperature during storage/transportation  • min. • max.  70 °C  Relative humidity • Operation, max.  95 %; no condensation  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		0 °C
Operation (max. tilt angle, portrait format)  — At maximum tilt angle, min. — At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min. • max. 70 °C  Relative humidity • Operation, max. 95 %; no condensation  configuration / header  Configuration software • STEP 7 Basic (TIA Portal) • STEP 7 Professional (TIA Portal)  Functionality under WinCC (TIA Portal)	•	
- At maximum tilt angle, min At maximum tilt angle, max. 60 °C  Ambient temperature during storage/transportation  • min. • max. 70 °C  Relative humidity • Operation, max. 95 %; no condensation  configuration / header  Configuration software • STEP 7 Basic (TIA Portal) • STEP 7 Professional (TIA Portal) • STEP 7 Professional (TIA Portal)  • STEP 7 Professional (TIA Portal)  Functionality under WinCC (TIA Portal)		
— At maximum tilt angle, max.  Ambient temperature during storage/transportation  • min.  • max.  70 °C  Relative humidity  • Operation, max.  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  • STEP 7 Professional (TIA Portal)  • STEP 7 Professional (TIA Portal)  Functionality under WinCC (TIA Portal)		0.00
Ambient temperature during storage/transportation  • min.  • max.  70 °C  Relative humidity  • Operation, max.  95 %; no condensation  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  • STEP 7 Professional (TIA Portal)  • STEP 7 Professional (TIA Portal)		
<ul> <li>min.</li> <li>max.</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>Operation / header</li> <li>Configuration software</li> <li>STEP 7 Basic (TIA Portal)</li> <li>STEP 7 Professional (TIA Portal)</li> <li>Yes</li> <li>Functionality under WinCC (TIA Portal)</li> </ul>		00 C
max. 70 °C  Relative humidity      Operation, max. 95 %; no condensation  configuration / header  Configuration software      STEP 7 Basic (TIA Portal) Yes      STEP 7 Professional (TIA Portal) Yes  Functionality under WinCC (TIA Portal)		20.00
Relative humidity  • Operation, max. 95 %; no condensation  configuration / header  Configuration software  • STEP 7 Basic (TIA Portal) Yes  • STEP 7 Professional (TIA Portal) Yes  Functionality under WinCC (TIA Portal)		
Operation, max.      Operation / header  Configuration software      STEP 7 Basic (TIA Portal)     STEP 7 Professional (TIA Portal)  STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		10 °C
Configuration / header  Configuration software  • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  Functionality under WinCC (TIA Portal)	·	05.0/
Configuration software  • STEP 7 Basic (TIA Portal)  • STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)	· · · · · · · · · · · · · · · · · · ·	95 %; no condensation
STEP 7 Basic (TIA Portal)     STEP 7 Professional (TIA Portal)  Functionality under WinCC (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		
STEP 7 Professional (TIA Portal)  Yes  Functionality under WinCC (TIA Portal)		
Functionality under WinCC (TIA Portal)	STEP 7 Basic (TIA Portal)	Yes
		Yes
Process coupling	Functionality under WinCC (TIA Portal)	
. •		

• S7-1200	Yes; with ET 200pro CPU and ET 200S CPU
• S7-1500	Yes
• S7-200	No
• S7-300/400	Yes; with F-CPU: STEP 7 V11 SP1 (or higher) and Safety V11 (or higher) or SIMATIC STEP 7 Basic V11 (or higher)
• LOGO!	No
• WinAC	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)	Bayblend FR3010 enclosure, Autotex F150 front membrane
Plastic	Yes; neutral enclosure, black RAL 9005
Aluminum	No
Stainless steel	No
Service life	
<ul> <li>Short-stroke keys (in switching cycles)</li> </ul>	1 500 000
<ul> <li>LEDs (ON period)</li> </ul>	100 %
Dimensions	
Width of the housing front	40.7 mm
Height of housing front	252.4 mm
Mounting cutout, width	24 mm; tolerances +0.5 mm, not including connection plug (depending on connector type)
Mounting cutout, height	244 mm; tolerances +0.5 mm, not including connection plug (depending on connector type)
Overall depth	68.15 mm; mounting plate thickness max. 1 6 mm
Weights	
Weight (without packaging)	297 g
Weight (with packaging)	475 g; incl. 1x 12-pole connector and 6x mounting clips
Other	
Merchandise	Yes; K S27602/TKS-008-KP8 PN LX-SIEMENS-C10093
Manufacturer name	GETT Gerätetechnik GmbH
Manufacturer's address	Mittlerer Ring 1, 08233 Treuen (Vogtland), Germany
Note:	Key Panel must be configured as 6AV3688-3AY36-0AX0 Key Panel, compatible with 6AV2127-1AB00-0LX0

last modified:

8/2/2023