



Starter kit Mobile Panel Consisting of: 1x KTP700F Mobile, 1x connection box Standard, 1x connecting cable 2 m, 1x wall holder, 1x WinCC Comfort (TIA Portal)

General information	
Product type designation	KTF700F Mobile
Display	
Design of display	TFT
Screen diagonal	7 in
Color display	Yes
Number of colors	16 777 216
Resolution (pixels)	
• Horizontal image resolution	800 pixel
• Vertical image resolution	480 pixel
Control elements	
Keyboard	
• Function keys	
— Number of function keys	8
— Number of function keys with LEDs	8
• Keys with LED	Yes
• Numeric keyboard	Yes; Onscreen keyboard
• alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
• Design as touch screen	Yes
Special operator controls	
• Stop button (forced blocking)	No
• Emergency stop button (illuminated and forced blocking)	Yes
• Acknowledgement button (3-stage)	Yes
• Key-operated switch	Yes
• Illuminated pushbutton	Yes
Camera	
• integrated camera	No
Expansions for operator control of the process	
• DP direct LEDs (LEDs as S7 output I/O)	
— F1...Fx	8
• Direct keys (keys as S7 input I/O)	
— F1...Fx	8
Supply voltage	
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Storage	
Memory available for user data	12 Mbyte
Interfaces	

Number of industrial Ethernet interfaces	1
Number of PROFINET interfaces	1
Number of RS 485 interfaces	0
Number of RS 422 interfaces	0
Number of RS 232 interfaces	0
Number of USB interfaces	1; USB 2.0
Number of wireless interfaces	0
Number of SD card slots	1
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
PROFIsafe	Yes
PROFIBUS	No
EtherNet/IP	Yes
MPI	No
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
Further protocols	
• MODBUS	Yes
• other bus systems	No
Communication functions	
Wireless communication	
• supported standards	
— Radio standard WLAN 802.11	No
— Bluetooth radio standard	No
Interrupts/diagnostics/status information	
Diagnoses	
• Diagnostic information readable	Yes
Degree and class of protection	
IP65 (all-round)	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Suitable for safety functions	Yes
Highest safety class achievable in safety mode	
• Performance level according to ISO 13849-1	PL _e
• SIL acc. to IEC 61508	Up to SIL 3
Ambient conditions	
Free fall	
• Fall height, max.	1.2 m
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Languages	
Online languages	
• Number of online/runtime languages	32
Functionality under WinCC (TIA Portal)	
Security	
• Number of user groups	50
Dimensions	
Width of the housing front	248.4 mm
Height of housing front	171.7 mm

Classifications			
		Version	Classification
	eClass	14	27-33-02-02
	eClass	12	27-33-02-02
	eClass	9.1	27-33-02-02
	eClass	9	27-33-02-02
	eClass	8	27-24-23-03
	eClass	7.1	27-24-23-03
	eClass	6	27-24-23-03
	ETIM	10	EC001427
	ETIM	9	EC001427
	ETIM	8	EC001427
	ETIM	7	EC001427
	IDEA	4	6607
	UNSPSC	15	43-21-15-06

Approvals / Certificates	
General Product Approval	

[Manufacturer Declaration](#)

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