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Data sheet 6AV2145-6KM00-0AA0

Figure similar

SIMATIC HMI IWP10F Mobile WebClient, 10.0" TFT display, 1280x800 pixels, 16 million colors, multi-touch, 7 function keys, handwheel, PROFINET/Industrial Ethernet interface, USB, acknowledgment button, EMERGENCY STOP button -- for the lower performance range such as LOGO or PLC, only suitable for Unified with restrictions!

General information	
Product type designation	IWP10F Mobile WebClient
Display	
Design of display	10" TFT multi-touch
Screen diagonal	10 in
Color display	Yes
Resolution (pixels)	
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	800 pixel
Backlighting	
● MTBF backlighting (at 25 °C)	50 000 h; At 25°C
● Backlight dimmable	Yes; 0-100 %
Control elements	
Keyboard	
● Function keys	Yes
— Number of function keys	7
— Number of function keys with LEDs	7
● Numeric keyboard	Yes; Onscreen keyboard
● alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
● Design as touch screen	Yes
● Design as multi-touch screen	Yes; Projective-capacitive
Special operator controls	
● Emergency stop button (illuminated and forced blocking)	Yes
● Acknowledgement button (3-stage)	Yes
● Handwheel	Yes
Expansions for operator control of the process	
● DP direct LEDs (LEDs as S7 output I/O)	
— F1...Fx	7
● Direct keys (keys as S7 input I/O)	
— F1...Fx	7
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	0.98 A

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Power	
Active power input, typ.	24 W
Processor	
Processor type	Intel Atom E3930, 800 MHz, 2 cores
Storage	
Flash	Yes
RAM	Yes
Time of day	
Clock	
● synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	1
Number of USB interfaces	1
Number of wireless interfaces	0
Number of SD card slots	0
Protocols	
PROFINET	Yes
PROFINET IO	Yes
PROFIsafe	No
Protocols (Ethernet)	
● TCP/IP	Yes
● DHCP	Yes
WEB characteristics	
● HTTP	Yes
● HTTPS	Yes
● HTML	Yes; HTML5
● XML	Yes
● CSS	Yes
● Active X	No
● JavaScript	Yes
● Java VM	No
EMC	
Emission of radio interference acc. to EN 55 011	
● Limit class A, for use in industrial areas	Yes
● Limit class B, for use in residential areas	No
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
FM approval	No
RCM (formerly C-TICK)	Yes
KC approval	No
EAC (formerly Gost-R)	No
CCC	No
Suitable for safety functions	Yes
Marine approval	No
Highest safety class achievable in safety mode	
● Performance level according to ISO 13849-1	PLe
● SIL acc. to IEC 61508	SIL 3
Ambient conditions	
Free fall	
● Fall height, max.	1.2 m
Ambient temperature during operation	
● min.	0 °C
● max.	45 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	55 °C
Relative humidity	

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● Operation, max.	95 %; no condensation
Languages	
Online languages	
● Number of online/runtime languages	5; de, en, fr, it, es
Functionality under WinCC (TIA Portal)	
Variables	
● Number of variables per screen	200
Image objects	
● Number of objects per image	400
Complex image objects	
● Number of complex objects per screen	20
Peripherals/Options	
USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
● plastic	Yes
Weights	
Weight (without packaging)	1.5 kg

Classifications

	Version	Classification
eClass	16	27-33-02-02
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

Approvals / Certificates

General Product Approval

CE EG-Konf.	UKCA	Manufacturer Declaration	RCM	EAC	China RoHS

EMV	Functional Saftey		other
RCM	TUEV	Type Examination Certificate	Type Examination Certificate

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