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Data sheet 6AV7862-2BC10-0AA0

SIMATIC IFP1200 Basic Covered Flat Panel 12" display (16:10), touch, 1280 x 800 pixels, standard up to 5 m, for 24 V DC, DisplayPort on the rear side IP65



General information	
Product type designation	IFP1200 Basic C
Short designation	Basic Flat Panel 12" Touch
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	12.1 in; 12"
Screen diagonal [cm]	30.7 cm
Display width	261.1 mm
Display height	163.2 mm
On Screen Display (OSD) configuration	No
Number of colors	16 000 000; 16.2 million
Resolution (pixels)	
● Image resolution	1 280 x 800
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	800 pixel
General features	
● Brightness/contrast	400 cd/m² / 1 000:1
● Detachable from computer unit	5 m
Backlighting	
● Type of backlighting	LED
● MTBF backlighting (at 25 °C)	50 000 h
● Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	single-touch screen
Input device	
● Integrated mouse cursor control	No
Touch operation	
● Design as touch screen	Yes; Analog-resistive
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	Yes; VESA 75 x 75 integrated
Built-in unit	Yes; Portrait mode possible
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
Power loss	

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Power loss, typ.	11 W
Power loss, max.	14 W
Interfaces	
Number of USB interfaces	1; USB 2.0 (downstream)
USB on the rear	Yes; 1x onboard
Video interfaces	
● DisplayPort	Yes
Touch interfaces	
● USB	Yes; USB 2.0 type B
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; UL 61010-1, UL 61010-2-201
RCM (formerly C-TICK)	Yes
KC approval	No
EAC (formerly Gost-R)	Yes
FCC	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	60 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	70 °C
Relative humidity	
● Operation, max.	85 %
Vibrations	
● Vibration load in operation	30 m/s²
● Vibration load during transport/storage	10 m/s²
Shock testing	
● Shock load during operation	150 m/s²
● shock acceleration during storage/transport	250 m/s²
Mechanics/material	
Enclosure material (front)	
● Aluminum	Yes
Dimensions	
Width of the housing front	319.6 mm
Height of housing front	225.6 mm
Mounting cutout, width	302 mm
Mounting cutout, height	208 mm
mounting depth	49 mm
Weights	
Weight (without packaging)	2.8 kg
Classifications	

	Version	Classification
eClass	16	19-20-02-01
eClass	14	19-20-02-01
eClass	12	19-20-02-01
eClass	9.1	19-20-02-01
eClass	9	19-20-02-01
eClass	8	19-20-02-01
eClass	7.1	19-20-02-01
eClass	6	19-20-02-01
ETIM	10	EC004862
ETIM	9	EC001428

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ETIM	8	EC001428
ETIM	7	EC001428

Approvals / Certificates

General Product Approval

Manufacturer Declaration











General Product Approval	For use in hazardous locations





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