SIEMENS

Data sheet 6AV7863-4MA20-2AA0

Siemens EcoTech

spare part SIMATIC IFP2200 V2 Ethernet, 22" multi-touch display (16:9) with 1920x 1080 pixels resolution, built-in unit, for 24 V DC, DisplayPort and Ethernet monitor, USB on the rear side, standard design



Figure similar

General information	
Product type designation	IFP2200 V2
Display	
Design of display	22" TFT multi-touch
Screen diagonal	21.5 in
Screen diagonal [cm]	56 cm
Display width	476 mm
Display height	268 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	178° x 178°
Resolution (pixels)	
● Image resolution	1 920 x 1 080
● Horizontal image resolution	1 920 pixel
● Vertical image resolution	1 080 pixel
● Pixel size, horizontal	0.24795 mm
● Pixel size, vertical	0.24795 mm
General features	
● Brightness/contrast	250 cd/m² / 1 000:1
● Detachable from computer unit	100 m; Ethernet
● Luminance	250 cd/m²
Backlighting	
● Type of backlighting	LED
● MTBF backlighting (at 25 °C)	50 000 h; At 25°C
● Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Input device	
● Integrated mouse cursor control	Yes; Also externally via USB
Touch operation	
● Design as touch screen	Yes; Projective-capacitive
● Design as multi-touch screen	Yes; Projective-capacitive
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes

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VESA mounting	No
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	1 A
Current consumption, max.	1.3 A
Starting current inrush I²t	0.5 A²·s
Power loss	
Power loss, typ.	24 W
Interfaces	
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
● DVI-D	No
● DisplayPort	Yes; Display port V1.2
Touch interfaces	
● USB	Yes
Degree and class of protection	
IP (at the front)	IP65
NEMA (front)	
● Enclosure Type 4 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; cULus, cUL
FM approval	Yes; Class I Div. 2
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Use in hazardous areas	
● IECEx Zone 2	Yes; in preparation
● IECEx Zone 22	Yes; in preparation
● FM Class I Division 2	Yes; in preparation
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	45 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	3 500 m
Relative humidity	
● Operation, max.	90 %; no condensation
Vibrations	
● Vibration load in operation	10 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	

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Enclosure material (front)	
● Aluminum	Yes
● Aluminum casting	Yes
● Glass	Yes; at front
Enclosure material (rear)	aluminum

Dimensions

Width of the housing front	529 mm
Height of housing front	331 mm
Mounting cutout, width	513 mm; Tolerance: +1 mm
Mounting cutout, height	315 mm; Tolerance: +1 mm
mounting depth	63.4 mm

Weights

Weight (without packaging)	6.4 kg
Weight (with packaging)	8.4 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
ETIM	8	EC001428
ETIM	7	EC001428

Approvals / Certificates

General Product Approval

Miscellaneous

General Product Approval

Confirmation

EMV

Test Certificates

Special Test Certific-ate

Type Test Certific-ates/Test Report

Test Certificates

Miscellaneous

Maritime application

Maritime application

CCS (China Classifica-tion Society)

other

Miscellaneous

Confirmation

Environment

Environmental Con-firmations

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Environment

Environmental Confirmations

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