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Data sheet 6AV7863-4MA15-1NA0

*** spare part *** SIMATIC IFP2200 PRO, Flat Panel 22" display (16:9), multi-touch, prepared for support arm, without expansion elements; extended version up to 30 m, 1920 x 1080 pixels, for 24 V DC display port/DVI interface, IP65, fully enclosed, neutral design



General information	
Product type designation	IFP2200 PRO
Short designation	Flat Panel 22" PRO multi-touch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	21.5 in; 22"
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	0.2475 mm
● Pixel size, vertical	0.2475 mm
General features	
● Brightness/contrast	250 cd/m² / 1 000:1
● non-reflective and tempered mineral glass screen	Yes
● Detachable from computer unit	30 m
● Luminance	250 cd/m²
Backlighting	
● Type of backlighting	LED
● MTBF backlighting (at 25 °C)	30 000 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
● Monitor keyboard	Yes
Installation type/mounting	
Design	Support arm mounting
Front mounting	No
Support arm mounting	Yes; Suitable for support arm without extension components

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Stand mounting	No
Built-in unit	No; IP65 fully enclosed
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; PELV / SELV floating
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	2.5 A
Current consumption, max.	3 A
Inrush current, max.	2.8 A
Starting current inrush I²t	0.5 A²·s
Power	
Active power input, typ.	40 W
Power loss	
Power loss, typ.	40 W
Power loss, max.	60 W
Interfaces	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
● DVI-D	Yes
● DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
● USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	
● Enclosure Type 4 at the front	Yes
● Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
● ATEX Zone 2	Yes; in preparation
● ATEX Zone 22	Yes; in preparation
● IECEx Zone 2	Yes; in preparation
● IECEx Zone 22	Yes; in preparation
● cULus Class I Zone 2, Division 2	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
Relative humidity	
● Operation, max.	95 %; no condensation
Vibrations	

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● 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	150 m/s²
Mechanics/material	
Enclosure material (front)	With neutral design
● Aluminum	Yes
● Glass	Yes; at front
Dimensions	
Width of the housing front	527 mm
Height of housing front	329 mm
Weights	
Weight (without packaging)	8.1 kg
Weight (with packaging)	11 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
IDEA	4	6675
UNSPSC	15	43-21-19-02

Approvals / Certificates

General Product Approval

Manufacturer Declaration | Miscellaneous | China RoHS

General Product Approval

Manufacturer Declaration

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