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Data sheet 6AV7863-3MA20-0AA0

*** spare part *** SIMATIC IFP1900 Flat Panel 19" display (16: 9), multi-touch, 1366x 768 pixels, for 24 V DC, display port interface Ethernet interface incl. DP/USB cable 1.8 m



Figure similar

General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" multi-touch Ethernet
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in; 19"
Screen diagonal [cm]	47 cm
Display width	409.8 mm
Display height	230.4 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	170° x 160°
Resolution (pixels)	
● Image resolution	1 366 x 768
● Horizontal image resolution	1 366 pixel
● Vertical image resolution	768 pixel
● Pixel size, horizontal	0.3 mm
● Pixel size, vertical	0.3 mm
General features	
● Brightness/contrast	300 cd/m² / 1 000:1
● Detachable from computer unit	100 m; Ethernet
● Luminance	300 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	No
Touch operation	
● Design as touch screen	Yes
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°

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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
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	Yes; 2x onboard
Video interfaces	
● DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
● USB	Yes
Industrial Ethernet	
● Transmission rate, max.	1 000 Mbit/s
Degree and class of protection	
IP (at the front)	IP66
IP (rear)	IP20
NEMA (front)	
● Enclosure Type 4 at the front	Yes
● Enclosure Type 4x at the front	Yes
● Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	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
● FM Class I Division 2	Yes; in preparation
Marine approval	
● Germanischer Lloyd (GL)	Yes; in preparation
● American Bureau of Shipping (ABS)	Yes; in preparation
● Bureau Veritas (BV)	Yes; in preparation
● Det Norske Veritas (DNV)	Yes; in preparation
● Lloyds Register of Shipping (LRS)	Yes; in preparation
● Nippon Kaiji Kyokai (Class NK)	Yes; in preparation
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	45 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
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	150 m/s²
Mechanics/material	
Enclosure material (front)	
● Glass	Yes
Dimensions	

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Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm; Tolerance: +1 mm
Mounting cutout, height	319 mm; Tolerance: +1 mm
mounting depth	62.5 mm

Weights

Weight (without packaging)	5.8 kg
Weight (with packaging)	6.8 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
ETIM	8	EC001428
ETIM	7	EC001428
IDEA	4	6675
UNSPSC	15	43-21-19-02

Approvals / Certificates

General Product Approval

CE EG-Konf. | UKCA | Manufacturer Declaration | Miscellaneous | RCM | CE EG-Konf.

General Product Approval	EMV	For use in hazardous locations

UKCA | China RoHS | RCM | CCC | IECEx | ATEX

For use in hazardous locations

IECEx | Miscellaneous | CCC-Ex

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