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Data sheet 6AV7861-3AB10-2AA0



*** no longer available *** SIMATIC Flat Panel 19 extended 19-inch TFT screen with 1280x 1024 pixels resolution for 24 V DC and 120/240 V AC, VGA, DVI-D interface, can be placed up to 30 m away

General information	
Product type designation	Flat Panel
Display	
Design of display	TFT display, LED backlighting
Screen diagonal	18.5 in; 19"
Display width	376.3 mm
Display height	301.1 mm
On Screen Display (OSD) configuration	Yes
Number of colors	16 000 000; 16.7 million
Viewing angle	170° x 170°
Resolution (pixels)	
● Image resolution	1 280 x 1 024
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	1 024 pixel
General features	
● Brightness/contrast	> 300 cd/m² / 300:1
● Detachable from computer unit	30 m
Backlighting	
● Type of backlighting	LED, dimmable
● MTBF backlighting (at 25 °C)	50 000 h; At 25°C
● Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	none
Input device	
● Integrated mouse cursor control	No
Touch operation	
● Design as touch screen	No
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	No
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°; max. 40°C
maximum permitted backward tilt angle from vertical	70°; max. 40°C
Supply voltage	
Type of supply voltage	AC/DC
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V

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Interfaces	
USB on the rear	Yes; 2x onboard
Video interfaces	
● DVI-D	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
EAC (formerly Gost-R)	No
Marine approval	
● Germanischer Lloyd (GL)	Yes
● American Bureau of Shipping (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	Yes
● Lloyds Register of Shipping (LRS)	Yes
● Polski Rejestr Statkow (PRS)	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	45 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	70 °C
Mechanics/material	
Enclosure material (front)	
● Aluminum	Yes
Dimensions	
Width of the housing front	483 mm
Height of housing front	400 mm
Mounting cutout, width	450 mm
Mounting cutout, height	380 mm
Overall depth	57 mm

Classifications

	Version	Classification
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	9	EC001428
ETIM	8	EC001428
ETIM	7	EC001428
IDEA	4	6675
UNSPSC	15	43-21-19-02

Approvals / Certificates

General Product Approval	EMV

Manufacturer Declaration

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last modified:	5/22/2024

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