Data sheet

SIMATIC IFP2200, Flat Panel 22" display (16: 9), Multitouch, Standard up to 5 m, 1920x 1080 pixels, for 24 V DC, Display port/DVI interface, incl. DVI/USB cable 1.8 m, Shipbuilding approval



Figure similar

General information		
Product type designation	IFP2200	
Short designation	Flat Panel 22" multi-touch marine	
Display		
Design of display	TFT widescreen display, LED backlighting	
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	170° x 170°	
Resolution (pixels)		
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	Yes
screen	
Detachable from computer unit	5 m
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	
Input device	
Integrated mouse cursor control	Yes; Also externally via USB
Keyboard fonts	
Function keys	No
Number of function keys	0
Touch operation	
 Design as touch screen 	Yes; Projective-capacitive
Monitor keyboard	Yes
Installation type/mounting	
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V; PELV
Rated value (DC) permissible range, lower limit (DC)	24 V; PELV 19.2 V
permissible range, lower limit (DC)	19.2 V
permissible range, lower limit (DC) permissible range, upper limit (DC)	19.2 V
permissible range, lower limit (DC) permissible range, upper limit (DC) Power loss	19.2 V 28.8 V
permissible range, lower limit (DC) permissible range, upper limit (DC) Power loss Power loss, typ.	19.2 V 28.8 V 40 W
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permissible range, lower limit (DC) permissible range, upper limit (DC) Power loss Power loss, typ. Power loss, max. Interfaces Video interfaces • analog video signal (VGA) • DVI-D • DisplayPort	19.2 V 28.8 V 40 W 65 W
permissible range, lower limit (DC) permissible range, upper limit (DC) Power loss Power loss, typ. Power loss, max. Interfaces Video interfaces • analog video signal (VGA) • DVI-D • DisplayPort Touch interfaces • USB	19.2 V 28.8 V 40 W 65 W No Yes Yes; DisplayPort V1.1
permissible range, lower limit (DC) permissible range, upper limit (DC) Power loss Power loss, typ. Power loss, max. Interfaces Video interfaces • analog video signal (VGA) • DVI-D • DisplayPort Touch interfaces	19.2 V 28.8 V 40 W 65 W No Yes Yes; DisplayPort V1.1

NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 42 at the front • Enclosure Type 12 at the front • Yes CE mark CE mark CE mark Yes CULUS RC approval Yes EAC (formerly C-TICK) Yes EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • Yes, Available soon • ATEX Zone 2 • FM Class I Division 2 Warine approval • Oermanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Verifas (BV) • Det Norske Verifas (DNV) • Loyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) Ambient temperature during operation • min. • max. Ambient temperature during storage/transportation • min. • max. Ambient temperature during storage/transportation • min. • max. Ambient temperature during storage/transportation • min. • nin. • O°C • max. Relative humidity • Operation, max. Yibrations • Vibration load in operation • Vibration • Vibration load during transport/storage Shock testing • Shock load during peration • Shock load during pransport/storage • Shock load during transport/storage • Shock load during transport/storage • Shock load during transport/storage • Cluss •	IP (rear)	IP20	
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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 Yes; Available soon • ATEX Zone 2 Yes; Available soon • ATEX Zone 22 Yes; Available soon • FM Class I Division 2 Yes Marine approval *** • Germanischer Lloyd (GL) Yes • American Bureau of Shipping (ABS) Yes • Bureau Veritas (BV) Yes • Bureau Veritas (BV) Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaji Kyokai (Class NK) Yes • Nippon Kaji Kyokai (Class NK) Yes • Nimon Admitions *** Ambient temperature during operation 0 °C • max. 45 °C; Vertical installation (horizontal) Ambient temperature during storage/transportation • or °C • max. 60 °C Relative humidity • Operation, max. 95 %; no condensation Vibrations • Vibratio		Yes	
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Shock load during transport/storage Mechanics/material Enclosure material (front) 150 m/s² Mechanics/material	Shock testing		
Mechanics/material Enclosure material (front)	Shock load during operation	150 m/s²	
Enclosure material (front)	Shock load during transport/storage	150 m/s ²	
	Mechanics/material		
• Glass Yes	Enclosure material (front)		
	• Glass	Yes	

Dimensions		
Width of the housing front	560 mm	
Height of housing front	380 mm	
Mounting cutout, width	542 mm; Tolerance: +1 mm	
Mounting cutout, height	362 mm; Tolerance: +1 mm	
Overall depth	62.5 mm	
Weights		
Mainlet with a strong leading	C.F.I.m	

Weights	
Weight without packaging	6.5 kg
Weight incl. packaging	7.6 kg

06/12/2020 last modified: