

SIMATIC IFP2200 V2, 22" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, display port/DVI interface, including DP/USB cable 1.8 m, on the rear USB, neutral design



Figure similar

| General information                   |                                          |
|---------------------------------------|------------------------------------------|
| Product type designation              | IFP2200 V2                               |
| Short designation                     | SIMATIC IFP2200 V2                       |
| 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                         | 170° x 170°                              |
| 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/m <sup>2</sup> / 1 000:1          |
| • Detachable from computer unit       | 5 m                                      |
| • Luminance                           | 250 cd/m <sup>2</sup>                    |
| 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               |
| • Monitor keyboard                    | Yes; If supported by operating system    |
| Installation type/mounting            |                                          |
| Design                                | Built-in unit                            |
| Front mounting                        | Yes                                      |
| VESA mounting                         | Yes; VESA 100 x 100 integrated           |
| 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°                                      |
| <b>Supply voltage</b>                                    |                                          |
| 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                                   |
| <b>Input current</b>                                     |                                          |
| Current consumption (rated value)                        | 1 A                                      |
| Current consumption, max.                                | 1.3 A                                    |
| Inrush current, max.                                     | 2 A                                      |
| Starting current inrush I <sup>2</sup> t                 | 0.5 A <sup>2</sup> ·s                    |
| <b>Power loss</b>                                        |                                          |
| Power loss, typ.                                         | 24 W                                     |
| Power loss, max.                                         | 30 W                                     |
| <b>Interfaces</b>                                        |                                          |
| Number of USB interfaces                                 | 2; USB 2.0 type A                        |
| USB on the rear                                          | Yes; 2x onboard                          |
| <b>Video interfaces</b>                                  |                                          |
| • DVI-D                                                  | Yes                                      |
| • DisplayPort                                            | Yes; Display port V1.2                   |
| <b>Touch interfaces</b>                                  |                                          |
| • USB                                                    | Yes                                      |
| <b>Degree and class of protection</b>                    |                                          |
| IP (at the front)                                        | IP65                                     |
| 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                                      |
| <b>Standards, approvals, certificates</b>                |                                          |
| Certificate of suitability                               | hazardous zone 2/22; shipbuilding        |
| CE mark                                                  | Yes                                      |
| UL approval                                              | Yes; cULus, cUL                          |
| FM approval                                              | Yes; Class I Div. 2                      |
| EAC (formerly Gost-R)                                    | Yes                                      |
| EMC                                                      | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| <b>Use in hazardous areas</b>                            |                                          |
| • ATEX Zone 2                                            | Yes                                      |
| • ATEX Zone 22                                           | Yes                                      |
| • IECEx Zone 2                                           | Yes                                      |
| • IECEx Zone 22                                          | Yes                                      |
| • FM Class I Division 2                                  | No                                       |
| <b>Marine approval</b>                                   |                                          |
| • 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                                      |
| • Nippon Kaiji Kyokai (Class NK)                         | Yes                                      |
| <b>Ambient conditions</b>                                |                                          |
| <b>Ambient temperature during operation</b>              |                                          |
| • min.                                                   | 0 °C                                     |
| • max.                                                   | 45 °C                                    |
| <b>Ambient temperature during storage/transportation</b> |                                          |
| • min.                                                   | -20 °C                                   |
| • max.                                                   | 60 °C                                    |
| <b>Altitude during operation relating to sea level</b>   |                                          |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| • Installation altitude above sea level, max. | 3 500 m                  |
| Relative humidity                             |                          |
| • Operation, max.                             | 90 %; no condensation    |
| Vibrations                                    |                          |
| • Vibration load in operation                 | 10 m/s <sup>2</sup>      |
| • Vibration load during transport/storage     | 10 m/s <sup>2</sup>      |
| Shock testing                                 |                          |
| • Shock load during operation                 | 150 m/s <sup>2</sup>     |
| • shock acceleration during storage/transport | 250 m/s <sup>2</sup>     |
| Mechanics/material                            |                          |
| Enclosure material (front)                    | With neutral design      |
| • 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 |
| Overall depth                                 | 63.4 mm                  |
| Weights                                       |                          |
| Weight (without packaging)                    | 6.4 kg                   |
| Weight (with packaging)                       | 8.4 kg                   |

last modified:

6/14/2023 