

SIMATIC IFP2400 V2, 24" 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, standard design



Figure similar

| General information                                |                                          |
|----------------------------------------------------|------------------------------------------|
| Product type designation                           | IFP2400 V2                               |
| Short designation                                  | SIMATIC IFP2400 V2                       |
| Display                                            |                                          |
| Design of display                                  | TFT widescreen display, LED backlighting |
| Screen diagonal                                    | 23.8 in; 24"                             |
| Screen diagonal [cm]                               | 60.47 cm                                 |
| Display width                                      | 527 mm                                   |
| Display height                                     | 296 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                           | 0.2745 mm                                |
| • Pixel size, vertical                             | 0.2745 mm                                |
| General features                                   |                                          |
| • Brightness/contrast                              | 250 cd/m <sup>2</sup> / 1 000:1          |
| • non-reflective and tempered mineral glass screen | Yes                                      |
| • 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       | 35°                                      |
| maximum permitted backward tilt angle from vertical      | 35°                                      |
| <b>Supply voltage</b>                                    |                                          |
| 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                                   |
| <b>Input current</b>                                     |                                          |
| Current consumption (rated value)                        | 1.5 A                                    |
| Current consumption, max.                                | 1.9 A                                    |
| Starting current inrush I <sup>2</sup> t                 | 0.5 A <sup>2</sup> ·s                    |
| <b>Power loss</b>                                        |                                          |
| Power loss, typ.                                         | 36 W                                     |
| Power loss, max.                                         | 41 W                                     |
| <b>Interfaces</b>                                        |                                          |
| Number of USB interfaces                                 | 2; USB 2.0 type A                        |
| USB on the rear                                          | Yes; 2x onboard                          |
| Connection for keyboard/mouse                            | USB                                      |
| <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                          |
| cULus                                                    | Yes                                      |
| FM approval                                              | Yes; Class I Div. 2                      |
| RCM (formerly C-TICK)                                    | Yes                                      |
| 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                    |
| Altitude during operation relating to sea level |                          |
| • 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)                      |                          |
| • Aluminum                                      | Yes                      |
| • Aluminum casting                              | Yes                      |
| • Glass                                         | Yes; at front            |
| Enclosure material (rear)                       | aluminum                 |
| Dimensions                                      |                          |
| Width of the housing front                      | 585 mm                   |
| Height of housing front                         | 363 mm                   |
| Mounting cutout, width                          | 569 mm; Tolerance: +1 mm |
| Mounting cutout, height                         | 347 mm; Tolerance: +1 mm |
| Overall depth                                   | 63.4 mm                  |
| Weights                                         |                          |
| Weight (without packaging)                      | 7.9 kg                   |
| Weight (with packaging)                         | 9.9 kg                   |

last modified:

9/6/2023 