

SIMATIC IFP1200 V2; 12" multi-touch display (16:10) with 1280x800 pixel resolution; built-in unit for 24 V DC, display port/DVI interface including DP/USB cable 1.8 m; USB on the rear side; standard design



Figure similar

| General information                   |                                          |
|---------------------------------------|------------------------------------------|
| Product type designation              | IFP1200 V2                               |
| Short designation                     | Flat Panel 12" multi-touch               |
| Display                               |                                          |
| Design of display                     | TFT widescreen display, LED backlighting |
| Screen diagonal                       | 12.1 in                                  |
| Screen diagonal [cm]                  | 30.7 cm                                  |
| Display width                         | 261.1 mm                                 |
| Display height                        | 163.2 mm                                 |
| On Screen Display (OSD) configuration | No                                       |
| Number of colors                      | 16 777 216; 24 bit                       |
| Viewing angle                         | 176° x 176°                              |
| Resolution (pixels)                   |                                          |
| • Image resolution                    | 1 280 x 800                              |
| • Horizontal image resolution         | 1 280 pixel                              |
| • Vertical image resolution           | 800 pixel                                |
| • Pixel size, horizontal              | 0.204 mm                                 |
| • Pixel size, vertical                | 0.204 mm                                 |
| General features                      |                                          |
| • Brightness/contrast                 | 400 cd/m <sup>2</sup> / 800:1            |
| • Detachable from computer unit       | 5 m                                      |
| • Luminance                           | 400 cd/m <sup>2</sup>                    |
| Backlighting                          |                                          |
| • Type of backlighting                | LED                                      |
| • MTBF backlighting (at 25 °C)        | 70 000 h; At 25°C                        |
| • Backlight dimmable                  | Yes; 0-100 %                             |
| Control elements                      |                                          |
| Input device                          |                                          |
| • Integrated mouse cursor control     | Yes; Also externally via USB             |
| Touch operation                       |                                          |
| • Design as touch screen              | Yes                                      |
| • Design as multi-touch screen        | Yes; Projective-capacitive               |
| • Monitor keyboard                    | Yes                                      |
| Installation type/mounting            |                                          |
| Design                                | Built-in unit                            |
| Front mounting                        | Yes                                      |
| 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)                                          | 0.65 A                                   |
| Current consumption, max.                                                  | 1 A                                      |
| Starting current inrush I <sub>st</sub>                                    | 0.5 A <sup>2</sup> s                     |
| <b>Power loss</b>                                                          |                                          |
| Power loss, typ.                                                           | 15 W                                     |
| Power loss, max.                                                           | 25 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; Corresponds to UL 508               |
| FM approval                                                                | Yes; in preparation                      |
| RCM (formerly C-TICK)                                                      | Yes                                      |
| EAC (formerly Gost-R)                                                      | Yes                                      |
| EMC                                                                        | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| <b>Ecological footprint</b>                                                |                                          |
| • environmental product declaration                                        | Yes                                      |
| <b>Global warming potential</b>                                            |                                          |
| — global warming potential, (total) [CO <sub>2</sub> eq]                   | 281.17875 kg                             |
| — global warming potential, (during production) [CO <sub>2</sub> eq]       | 57.74565 kg                              |
| — global warming potential, (during operation) [CO <sub>2</sub> eq]        | 233.02427 kg                             |
| — global warming potential, (after end of life cycle) [CO <sub>2</sub> eq] | -10.86766 kg                             |
| <b>Use in hazardous areas</b>                                              |                                          |
| • ATEX Zone 2                                                              | Yes; in preparation                      |
| • ATEX Zone 22                                                             | Yes; in preparation                      |
| • IECEx Zone 2                                                             | Yes; in preparation                      |
| • IECEx Zone 22                                                            | Yes; in preparation                      |
| • FM Class I Division 2                                                    | Yes                                      |
| <b>Marine approval</b>                                                     |                                          |
| • Germanischer Lloyd (GL)                                                  | Yes                                      |
| • American Bureau of Shipping (ABS)                                        | Yes                                      |

|                                                                                                                                                                                               |                                                                          |         |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------|-------------------|
| <ul style="list-style-type: none"><li>• Bureau Veritas (BV)</li><li>• Det Norske Veritas (DNV)</li><li>• Lloyds Register of Shipping (LRS)</li><li>• Nippon Kaiji Kyokai (Class NK)</li></ul> | Yes; In application process<br>Yes<br>Yes; In application process<br>Yes |         |                   |
| Ambient conditions                                                                                                                                                                            |                                                                          |         |                   |
| Ambient temperature during operation                                                                                                                                                          |                                                                          |         |                   |
| <ul style="list-style-type: none"><li>• min.</li></ul>                                                                                                                                        | 0 °C                                                                     |         |                   |
| <ul style="list-style-type: none"><li>• max.</li></ul>                                                                                                                                        | 50 °C                                                                    |         |                   |
| Ambient temperature during storage/transportation                                                                                                                                             |                                                                          |         |                   |
| <ul style="list-style-type: none"><li>• min.</li></ul>                                                                                                                                        | -20 °C                                                                   |         |                   |
| <ul style="list-style-type: none"><li>• max.</li></ul>                                                                                                                                        | 60 °C                                                                    |         |                   |
| Altitude during operation relating to sea level                                                                                                                                               |                                                                          |         |                   |
| <ul style="list-style-type: none"><li>• Installation altitude above sea level, max.</li></ul>                                                                                                 | 3 500 m                                                                  |         |                   |
| Relative humidity                                                                                                                                                                             |                                                                          |         |                   |
| <ul style="list-style-type: none"><li>• Operation, max.</li></ul>                                                                                                                             | 95 %; no condensation                                                    |         |                   |
| Vibrations                                                                                                                                                                                    |                                                                          |         |                   |
| <ul style="list-style-type: none"><li>• Vibration load in operation</li></ul>                                                                                                                 | 1 gn                                                                     |         |                   |
| <ul style="list-style-type: none"><li>• Vibration load during transport/storage</li></ul>                                                                                                     | 1 gn                                                                     |         |                   |
| Shock testing                                                                                                                                                                                 |                                                                          |         |                   |
| <ul style="list-style-type: none"><li>• Shock load during operation</li></ul>                                                                                                                 | 15 gn                                                                    |         |                   |
| <ul style="list-style-type: none"><li>• shock acceleration during storage/transport</li></ul>                                                                                                 | 15 gn                                                                    |         |                   |
| Mechanics/material                                                                                                                                                                            |                                                                          |         |                   |
| Enclosure material (front)                                                                                                                                                                    | In standard design                                                       |         |                   |
| <ul style="list-style-type: none"><li>• Aluminum</li></ul>                                                                                                                                    | Yes                                                                      |         |                   |
| <ul style="list-style-type: none"><li>• Aluminum casting</li></ul>                                                                                                                            | Yes                                                                      |         |                   |
| <ul style="list-style-type: none"><li>• Glass</li></ul>                                                                                                                                       | Yes; at front                                                            |         |                   |
| Enclosure material (rear)                                                                                                                                                                     | aluminum                                                                 |         |                   |
| Dimensions                                                                                                                                                                                    |                                                                          |         |                   |
| Width of the housing front                                                                                                                                                                    | 326 mm                                                                   |         |                   |
| Height of housing front                                                                                                                                                                       | 237 mm                                                                   |         |                   |
| Mounting cutout, width                                                                                                                                                                        | 310 mm; Tolerance: +1 mm                                                 |         |                   |
| Mounting cutout, height                                                                                                                                                                       | 221 mm; Tolerance: +1 mm                                                 |         |                   |
| mounting depth                                                                                                                                                                                | 62.5 mm                                                                  |         |                   |
| Weights                                                                                                                                                                                       |                                                                          |         |                   |
| Weight (without packaging)                                                                                                                                                                    | 3 kg                                                                     |         |                   |
| Weight (with packaging)                                                                                                                                                                       | 4.4 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                                                                                                                                                                      |                                                                          |         | Test Certificates |



[Miscellaneous](#)

| Maritime application                                                              | other                                                                             | Environment                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|
|  | <a href="#">Confirmation</a>                                                      | <a href="#">Environmental Confirmations</a> |
|                                                                                   |  |                                             |

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