



Main

|                           |                    |
|---------------------------|--------------------|
| Range of product          | Pro-face ST6000    |
| Product or component type | Touch panel screen |

Complementary

|                                |   |
|--------------------------------|---|
| Display size                   | 7 inch  |
| Display type                   | Colour TFT LCD  |
| Display colour                 | 16 million colours  |
| Display resolution             | 800 x 480 pixels WVGA   |
| Touch panel                    | Single touch analogue resistive   |
| Backlight lifespan             | 50000 hours with white  |
| Brightness                     | 16 levels via touch panel   |
| [Us] rated supply voltage      | 24 V DC   |
| Inrush current                 | 30 A  |
| Input voltage limits           | 19.2...28.8 V DC  |
| Allowable voltage drop time    | 5 ms  |
| Voltage endurance              | 1000 V AC during 1 min  |
| Maximum power consumption in W | 9 W<br>5.5 W when power is not supplied to external devices<br>3.6 W when backlight is OFF  |
| Memory description             | User data memory 64 MB<br>Backup memory 320 kB  |
| Integrated connection type     | COM1 serial link 1 SUB-D 9-pin female, interface: RS232C/RS422/RS485, transmission rate: 2400...115200 bps<br>COM2 serial link 1 SUB-D 9-pin male, interface: RS422/RS485, transmission rate: 2400...115200 bps<br>COM2 serial link 1 SUB-D 9-pin male, interface: RS422/RS485, transmission rate: 187.5 kbps compatible with Siemens MPI<br>USB 2.0 type A<br>USB 2.0 type micro B<br>Ethernet female RJ45 10BASE-T/100BASE-TX |
| Data format                    | 8 bits, no parity, 1 or 2 stop even or odd  |
| Electrical connection          | Cable 2 mm <sup>2</sup> , AWG 14, max resistance 100 Ohm for functional grounding   |
| Type of cooling                | AN (air natural)  |
| Fixing mode                    | By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201<br>By 4 screws conforming to IEC 61131-2<br>By 4 screws conforming to IEC 61000-6-2  |
| Enclosure material             | PC  |
| Front material                 | Aluminium   |
| Cut-out dimensions             | 190 x 135 mm  |
| Height                         | 153 mm  |
| Width                          | 208 mm  |

|            |        |
|------------|--------|
| Depth      | 45 mm  |
| Net weight | 0.8 kg |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | IEC 61000-6-4<br>IEC 61000-6-2<br>IEC 61131-2<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201<br>KN 11<br>KN 61000-6-2  |
| Product certifications                | CE[RETURN]EAC[RETURN]UL/cUL<br>listed[RETURN]IC[RETURN]RCM[RETURN]UKCA  |
| Directives                            | 2014/30/EU - electromagnetic compatibility<br>2014/35/EU - low voltage directive  |
| Ambient air temperature for operation | 0...50 °C   |
| Ambient air temperature for storage   | -20...60 °C   |
| Relative humidity                     | 10...90 % non-condensing  |
| Storage Relative Humidity             | 10...90 % non-condensing  |
| Operating altitude                    | 2000 m  |
| IP degree of protection               | IP20 (rear panel) conforming to IEC 61131-2<br>IP65f (front panel) conforming to IEC 61131-2  |
| NEMA degree of protection             | NEMA 4X front panel (indoor use)<br>NEMA Type 1<br>NEMA 13 front panel (in enclosure)   |
| Pollution degree                      | 2   |
| Environmental characteristic          | Corrosive gas free  |
| Shock resistance                      | 147 m/s <sup>2</sup> for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2   |
| Vibration resistance                  | +/- 3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min)<br>conforming to IEC 61131-2<br>9.8 m/s <sup>2</sup> (f = 9...150 Hz)  |
| Insulation resistance                 | >= 10 MΩ  |
| Electromagnetic compatibility         | Electrical fast transient/burst immunity test - test level: 2 kV (power ports)<br>conforming to IEC 61000-4-4<br>Electrical fast transient/burst immunity test - test level: 1 kV (signal ports)<br>conforming to IEC 61000-4-4<br>Electrostatic discharge immunity test - test level: 6 kV level 3 (contact discharge)<br>conforming to IEC 61000-4-2<br>Electrostatic discharge immunity test - test level: 8 kV level 3 (air discharge)<br>conforming to IEC 61000-4-2 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 9.000 cm  |
| Package 1 Width              | 18.000 cm |
| Package 1 Length             | 27.000 cm |
| Package 1 Weight             | 1.026 kg  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 6.700 kg  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  Yes   |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins     |