

SIMATIC Flat Panel 19T, 19-inch touch TFT screen with 1280x 1024 pixels resolution for 24 V DC and 120/240 V AC, VGA, DVI-D interface, incl. VGA cable 1.8 m

| Display                                             |                                          |
|-----------------------------------------------------|------------------------------------------|
| Design of display                                   | TFT widescreen display, LED backlighting |
| Screen diagonal                                     | 19 in                                    |
| Display width                                       | 376.3 mm                                 |
| Display height                                      | 301.1 mm                                 |
| Viewing angle                                       | 170° x 170°                              |
| On Screen Display (OSD) configuration               | Yes                                      |
| Number of colors                                    | 16 000 000; 16.7 million                 |
| Resolution (pixels)                                 |                                          |
| • Horizontal image resolution                       | 1 280 Pixel                              |
| • Vertical image resolution                         | 1 024 Pixel                              |
| General features                                    |                                          |
| • Brightness/contrast                               | > 300 cd/m <sup>2</sup> / 300:1          |
| Backlighting                                        |                                          |
| • Type of backlighting                              | LED, dimmable                            |
| • MTBF backlighting (at 25 °C)                      | 50 000 h; At 25°C                        |
| • Backlight dimmable                                | Yes; 0-100 %                             |
| Control elements                                    |                                          |
| Input device                                        |                                          |
| • Integrated mouse cursor control                   | No                                       |
| Keyboard fonts                                      |                                          |
| • Function keys                                     |                                          |
| — Number of function keys                           | 0                                        |
| Touch operation                                     |                                          |
| • Design as touch screen                            | Yes                                      |
| Installation type/mounting                          |                                          |
| Design                                              | Built-in unit                            |
| Rack mounting                                       | Yes                                      |
| VESA mounting                                       | No                                       |
| Built-in unit                                       | Yes; Portrait mode possible              |
| maximum permitted forward tilt angle from vertical  | 35°; max. 40°C                           |
| maximum permitted backward tilt angle from vertical | 70°; max. 40°C                           |
| Supply voltage                                      |                                          |
| Type of supply voltage                              | AC/DC                                    |

|                                     |        |
|-------------------------------------|--------|
| permissible range, lower limit (DC) | 19.2 V |
| permissible range, upper limit (DC) | 28.8 V |
| permissible range, lower limit (AC) | 90 V   |
| permissible range, upper limit (AC) | 264 V  |

#### Degree and class of protection

|                   |                                                   |
|-------------------|---------------------------------------------------|
| IP (at the front) | IP65                                              |
| IP54 at front     | Yes; For screw mounting in 19" rack               |
| IP65 at front     | Yes; if mounted with the supplied latch fasteners |

#### Standards, approvals, certificates

|                       |     |
|-----------------------|-----|
| CE mark               | Yes |
| CSA approval          | Yes |
| UL approval           | Yes |
| EAC (formerly Gost-R) | No  |

#### Marine approval

- |                                     |               |
|-------------------------------------|---------------|
| • Germanischer Lloyd (GL)           | Yes; Optional |
| • American Bureau of Shipping (ABS) | Yes; Optional |
| • Bureau Veritas (BV)               | Yes; Optional |
| • Det Norske Veritas (DNV)          | Yes; Optional |
| • Lloyds Register of Shipping (LRS) | Yes; Optional |

#### Ambient conditions

|                                                   |        |
|---------------------------------------------------|--------|
| Ambient temperature during operation              |        |
| • min.                                            | 0 °C   |
| • max.                                            | 45 °C  |
| Ambient temperature during storage/transportation |        |
| • min.                                            | -20 °C |
| • max.                                            | 70 °C  |

#### Mechanics/material

|                            |     |
|----------------------------|-----|
| Enclosure material (front) |     |
| • Aluminum                 | Yes |

#### Dimensions

|                            |        |
|----------------------------|--------|
| Width of the housing front | 483 mm |
| Height of housing front    | 400 mm |
| Mounting cutout, width     | 450 mm |
| Mounting cutout, height    | 380 mm |
| Overall depth              | 57 mm  |

**last modified:** 05/22/2018 