## **Data sheet**

SIMATIC ITC2200 V3, industrial thin client, 22" widescreen TFT display, capacitive touch sensor, supported protocols: RDP, VNC, SmartServer HTML5 and others, neutral design, built-in unit



Figure similar

| General information                                 |  |  |
|---|--|--|
| Product type designation                            | ITC2200 V3                               |  |
| Display   |  |  |
| Design of display                                   | TFT widescreen display, LED backlighting |  |
| Screen diagonal                                     | 21.5 in                                  |  |
| Display width                                       | 476 mm                                   |  |
| Display height                                      | 267.8 mm                                 |  |
| Number of colors                                    | 16 777 216                               |  |
| Resolution (pixels)                                 |  |  |
| Horizontal image resolution                         | 1 920 pixel                              |  |
| <ul> <li>Vertical image resolution</li> </ul>       | 1 080 pixel                              |  |
| General features                                    |  |  |
| non-reflective and tempered mineral glass screen    | Yes                                      |  |
| Backlighting  |  |  |
| <ul> <li>MTBF backlighting (at 25 °C)</li> </ul>    | 30 000 h; At 25°C                        |  |
| Backlight dimmable                                  | Yes; LED, dimmable                       |  |
| Control elements                                    |  |  |
| Touch operation                                     |  |  |
| <ul> <li>Design as multi-touch screen</li> </ul>    | Yes; Projective-capacitive               |  |
| <ul> <li>Monitor keyboard</li> </ul>                | Yes                                      |  |
| Installation type/mounting                          |  |  |
| Design  | Built-in unit                            |  |
| Front mounting                                      | Yes                                      |  |
| Built-in unit                                       | Yes                                      |  |
| maximum permitted forward tilt angle from vertical  | 35°                                      |  |
| maximum permitted backward tilt angle from vertical | 35°                                      |  |
| Supply voltage                                      |  |  |
| 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                                   |  |
| Input current                                       |  |  |
| Current consumption (rated value)                   | 1.7 A                                    |  |
| Current consumption, max.                           | 2.1 A                                    |  |
| Starting current inrush I²t                         | 0.5 A²·s                                 |  |
| Power   |  |  |
| Active power input, typ.                            | 40.8 W                                   |  |
| Interfaces  |  |  |
| Number of industrial Ethernet interfaces            | 2; 2 ports (switch)                      |  |

| Industrial Ethernet  | Number of USB interfaces  | d: on roor                           |
|--|---|--------------------------------------|
| Industrial Element   |   | 4; on rear                           |
| Transmission rate, max   | · ·   | USD                                  |
| Protocols (Ethemat)  |   | 1 000 Mbit/s                         |
| FORDING ACTION   | · .   | 1 JUU IVIDIUS                        |
| • CPCP P   |   |                                      |
| ● NHCP ■ SIMIP ■ DCP ■ 1 LIDP ■ Yes  ■ HITTP ■ Yes ■ HITTIR ■ Yes ■ JavaScript ■ Java VM ■ No  Protocost (terninal link) ■ SingfireServer ■ RDP ■ VRS ■ NIMERIK ■ No; in preparation  Portocost (terninal link) ■ HITTIR ■ PROBLEM Yes ■ SINIMERIK ■ No; in preparation  PORTOCOST (TRICK) ■ PROBLEM (TRICK) ■ Enclosure Type 4x at the front ■ Financiars, approval, scriticates  CE mark ■ Yes  CULUs ■ Yes  FM approval ■ No; in preparation  EAC (formerly Gast-R) ■ No; in preparation  ■ ATEX Zone 2 ■ ECEX Zone 2   |   | Von                                  |
| SMMP   DCP   |   |                                      |
| • CCP • LLDP VEB characteristics  • HTTP • Yes • HTML • HTML • XML • XML • CSS • Ves • JavaScript • Java VM • No Protocosis terminal link)  • Smg (Staver • CDIX • NNUMERIK • SINUMERIK • SINUMERIK • Sinumerity Pe 4x at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front • Enclosure Type 4x at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front • Enclosure Type 12 at the front • Enclosure Type 12 at the front • Enclosure Type 4x at the front •   |   |                                      |
| LLDP   |   |                                      |
| #HTTP  |   |                                      |
| HITTP  |   | Tes                                  |
| HITPS  |   | Vac                                  |
|  |   |                                      |
|  |   |                                      |
|  |   |                                      |
|  |   |                                      |
| • Java VM  Protocots (terminal link)  - Sm@/Server  - RDP  - VNC viewer  - Clirix  - SiNUMERIK   |   |                                      |
| Protocols (terminal link)   Sim@rlServer   |   |                                      |
| • Sm@rtServer         Yes           • RDP         Yes           • VNC viewer         Yes           • Citrix         Yes           • SINUMERIK         No, in preparation           Degree and class of protection           IP (at the front)         IP65           NEMA (front)         Yes           • Enclosure Type 4x at the front         Yes           • Enclosure Type 12 at the front         Yes           • Enclosure Type 12 at the front         Yes           • Enclosure Type 12 at the front         Yes           • CE mark         Yes           • CULus         Yes           FM approval         No, in preparation           RCM (formerly C-TICK)         Yes           KC approval         No, in preparation           EAC (formerly Gost-R)         No, in preparation           Varietx Zone 2         Yes           • ATEX Zone 22         Yes           • IECEx Zone 22         Yes           • IECEX Zone 22         Yes           • IECEX Zone 2, Division 2         No, in preparation           Marine approval         No           • Germanischer Lloyd (GL)         No           • American Bureau of Shipping (KRS)         No </td <td></td> <td>110</td>  |   | 110                                  |
|  |   | Yes                                  |
|  | _   |                                      |
| Citrix SINUMERIK No; in preparation  Degree and class of protection  IP (at the front) Peds  NEMA (tront) Enclosure Type 4x at the front Enclosure Type 4x at the front Enclosure Type 12  |   |                                      |
| Degree and class of protection  IP (at the front)  • Enclosure Type 4x at the front • Enclosure Type 12 at the front  Standards, approvals, certificates  CE mark  cULus  Yes  CH may Proval  RCM (formerly C-TICK)  Yes  KC approval  RCM (formerly C-TICK)  Yes  ATEX Zone 2 • ATEX Zone 2 • ATEX Zone 22 • ATEX Zone 22 • ATEX Zone 22 • LIECEx Zone 22 • LIECEx Zone 22 • LIECEx Zone 22 • CULus Class I Zone 2, Division 2 • FM Class I Division 2  Marine approval  Agrine approval  Agrine approval  Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • No • American Bureau of Shipping (KRS) • No • Lloyds Register of Shipping (KRS) • No • Polski Rejest Statkow (PRS) • Olinese Classification Society (CCS)  Ambient temperature during operation • min. • max  Abient temperature during storage/transportation • min. • max • Af Ca  Ambient temperature during storage/transportation • min. • max • Af Ca  Ambient temperature during storage/transportation   |   |                                      |
| Degree and class of protection  IP (at the front)  Enclosure Type 4x at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Yes  Standards, approvals, certificates  CE mark  CULUS Yes  CH mark Poproval RCM (formerly C-TICK) Yes  KC approval No; in preparation RCM (formerly C-TICK) No; in preparation EAC (formerly Gost-R) Use in hazardous areas  ATEX Zone 2 ATEX Zone 2 Yes EICEX Zone 2 Yes EICEX Zone 2 Yes EICEX Zone 2 Yes CULUS (lass I Zone 2, Division 2 No; in preparation  Amaine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Verlats (BV) Det Norske Verlias (DNV) Po Et Norske Verlias (DNV) No Poet Norske Verlias (DNV) No Polski Rejest Tslatkow (PRS) No Polski Rejest Tslatkow (PRS) No No No No Ambient temperature during operation  Ambient temperature during operation  max Ambient temperature during storage/transportation  min. max Ambient temperature during storage/transportation  |   |                                      |
| IP (at the front)  NEMA (front)  Enclosure Type 4x at the front Enclosure Type 12 at the fron |   | no, in proportion                    |
| NEMA (front)  Enclosure Type 4x at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Yes  Standards, approvals, certificates  CE mark Yes  CULus Yes FM approval No; in preparation RCM (formerly C-TICK) Yes  KC approval No; in preparation No; in preparation  EAC (formerly Gost-R) No; in preparation Use in hazardous areas  ATEX Zone 2 FM SEC ZONE 2 FM SEC ZONE 2 FM Class I Zone 2, Division 2 FM Class I Zone 2, Division 2 FM Class I Division 2 No; in preparation No; in preparation  Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Det Norske Veritas (DNV) No FOR Korean Register of Shipping (LRS) No Floyska Register of Shipping (LRS) No Floyska Register of Shipping (LRS) No Flokska Rejest of Shipping (LRS) No Floksk Rejest Statkow (PRS) No |   | IP65                                 |
| Enclosure Type 12 at the front Enclosure Type 12 at the front Yes  Enclosure Type 12 at the front Yes  CE mark  CULus Yes  CULus Yes  FM approval No; in preparation  EAC (formerly C-TICK) Yes  KC approval No; in preparation  EAC (formerly Gost-R) Use in hazardous areas  ATEX Zone 2 Yes  ATEX Zone 2 Yes  IECEX Zone 2 Yes  IECEX Zone 2 Yes  CULus  FM Class I Division 2  Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) No Korean Register of Shipping (KRS) No Polski Rejestr Statkow (PRS) No No Ambient conditions  Ambient temperature during operation  Proceeding Associated in the mark.  Ambient temperature during operation  Proceeding Associated in the mark.  Ambient temperature during storage/transportation  Proceeding Associated Succession  Pr  | · · · · · · · · · · · · · · · · · · ·   |                                      |
| Enclosure Type 12 at the front  Standards, approvals, certificates  CE mark  CLULUS  FM approval  RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  Use in hazardous areas  ● ATEX Zone 2  ● ATEX Zone 2  ● IECEX Zone 2  ● IECEX Zone 2  ● CULUS Class I Zone 2, Division 2  ● FM Class I Division 2  ● FM Class I Division 2  ● Germanischer Lloyd (GL)  ● American Bureau of Shipping (ABS)  ● Bureau Veritas (BV)  ● Det Norske Veritas (DNV)  ● Det Norske Veritas (DNV)  ● Polski Rejestr Statkow (PRS)  ● No  ● Polski Rejestr Statkow (PRS)  ● Chinese Classification Society (CCS)  Ambient conditions  Ambient temperature during operation  ● min.  ● max.  Ambient temperature during storage/transportation  |   | Yes                                  |
| Standards, approvals, cortificates  CE mark  CULus  Yes  CHM approval  RCM (formerly C-TICK)  Yes  KC approval  RCA (formerly Gost-R)  Use in hazardous areas  ATEX Zone 2  ATEX Zone 2  IECEX Zone 2  IECEX Zone 2  IECEX Zone 2  CULus Class I Zone 2, Division 2  FM Class I Division 2  Are American Bureau of Shipping (ABS)  Bureau Veritas (BV)  De Horske Veritas (DNV)  Korean Register of Shipping (LRS)  No  Iloyots Register of Shipping (LRS)  No  Polski Rejest Statkow (PRS)  Chinese Classification Society (CCS)  Ambient conditions  Ambient conditions  Ambient temperature during storage/transportation  Press  Yes  Yes  Yes  Yes  Yes  Yes  Yes   | **  |                                      |
| CE mark         Yes           cULus         Yes           FM approval         No; in preparation           RCM (formerly C-TICK)         Yes           KC approval         No; in preparation           EAC (formerly Gost-R)         No; in preparation           Use in hazardous areas         ***           • ATEX Zone 2         Yes           • ATEX Zone 22         Yes           • IECEX Zone 22         Yes           • IECEX Zone 22         Yes           • CLULUS Class I Zone 2, Division 2         No; in preparation           • FM Class I Division 2         No; in preparation           Marine approval         ***One in preparation           • Germanischer Lloyd (GL)         No           • American Bureau of Shipping (ABS)         No           • Bureau Veritas (BV)         No           • Det Norske Veritas (BV)         No           • Lloyds Register of Shipping (LRS)         No           • Lloyds Register of Shipping (LRS)         No           • Polski Rejestr Statkow (PRS)         No           • Polski Rejestr Statkow (PRS)         No           • Chinese Classification Society (CCS)         No           Ambient conditions           Ambient temperature during operation </td <td></td> <td></td>  |   |                                      |
| RCM (formerly C-TICK)  RCA approval  RCA (promerly Gost-R)  EAC (formerly Gost-R)  EAC (formerly Gost-R)  Use in hazardous areas  • ATEX Zone 2 • ATEX Zone 22 • ECEX Zone 22 • IECEX Zone 2 • IECEX Zone 2 • CULUS Class I Zone 2, Division 2 • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Loyds Register of Shipping (KRS) • Nippon Kajii Kyokai (Class NK) • Polski Rejestr Statkow (PRS) • Chinese Classification Society (CCS)  Ambient temperature during operation  • min. • max.  Ambient temperature during storage/transportation  |   | Yes                                  |
| RCM (formerly C-TICK)  KC approval  KC approval  No; in preparation  EAC (formerly Gost-R)  No; in preparation  BAC (formerly Gost-R)  No; in preparation  No; in preparation  No; in preparation  No; in preparation  Ves  ATEX Zone 2  Yes  ATEX Zone 2  Yes  IECEX Zone 22  IECEX Zone 22  EULus Class I Zone 2, Division 2  FM Class I Division 2  No; in preparation  Marine approval  Germanischer Lloyd (GL)  American Bureau of Shipping (ABS)  Bureau Veritas (BV)  Det Norske Veritas (DNV)  Korean Register of Shipping (KRS)  Individual (Class NK)  No  Icloyds Register of Shipping (LRS)  No  No  No  No  No  No  No  No  No  N   | cULus   | Yes                                  |
| RCM (formerly C-TICK)  KC approval  KC approval  No; in preparation  EAC (formerly Gost-R)  No; in preparation  BATEX Zone 2  ATEX Zone 2  ATEX Zone 2  ATEX Zone 22  ATEX Zone 22  BECEX Zone 20  BEX   | FM approval   | No; in preparation                   |
| EAC (formerly Gost-R)  Use in hazardous areas  ATEX Zone 2  ATEX Zone 22  (Fes  IECEX Zone 2  (IECEX Zone 2  (IECEX Zone 2  (IECEX Zone 2)  (IEXEX Zone 2)  (I |   | Yes                                  |
| Use in hazardous areas  ATEX Zone 2 ATEX Zone 2 Pes ATEX Zone 2 Pes EIECEx Zone 2 Pes EIECEx Zone 2 No; in preparation Avo; in preparation  Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (KRS) No No No No No No No Chinese Classification Society (CCS) No  Ambient temperature during operation  max. Abbient temperature during storage/transportation   | KC approval   | No; in preparation                   |
| ATEX Zone 2 ATEX Zone 22 FIECEX Zone 2 FIECEX Zone 2 FIECEX Zone 22 CULUS Class I Zone 2, Division 2 FM Class I Division 2  Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) No Alippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient temperature during operation  Messes Ages Ages Ages Ages Ages Ages Ages  | EAC (formerly Gost-R)   | No; in preparation                   |
| ATEX Zone 22  IECEx Zone 2  IECEx Zone 22  CULus Class I Zone 2, Division 2  FM Class I Division 2  Arrived approval  Germanischer Lloyd (GL)  American Bureau of Shipping (ABS)  Bureau Veritas (BV)  Det Norske Veritas (DNV)  Korean Register of Shipping (KRS)  Lloyds Register of Shipping (LRS)  No  No  No  No  No  No  No  No  No  N   | Use in hazardous areas  |                                      |
| IECEx Zone 2  IECEx Zone 22  Culus Class I Zone 2, Division 2  No; in preparation  FM Class I Division 2  Marine approval  Germanischer Lloyd (GL)  American Bureau of Shipping (ABS)  Bureau Veritas (BV)  Det Norske Veritas (DNV)  Korean Register of Shipping (KRS)  Lloyds Register of Shipping (KRS)  No  No  Polski Rejestr Statkow (PRS)  Polski Rejestr Statkow (PRS)  Chinese Classification Society (CCS)  Ambient temperature during operation  min.  o °C  max.  Arbient temperature during storage/transportation  | ATEX Zone 2   | Yes                                  |
| IECEx Zone 22  cultus Class I Zone 2, Division 2  No; in preparation  Marine approval  Germanischer Lloyd (GL)  American Bureau of Shipping (ABS)  No  Bureau Veritas (BV)  Det Norske Veritas (DNV)  Korean Register of Shipping (KRS)  Lloyds Register of Shipping (LRS)  No  No  No  No  No  No  No  No  No  N  | ATEX Zone 22  | Yes                                  |
| cULus Class I Zone 2, Division 2     No; in preparation     No; in preparation  Marine approval      Germanischer Lloyd (GL)     No     American Bureau of Shipping (ABS)     No     Bureau Veritas (BV)     Det Norske Veritas (DNV)     Korean Register of Shipping (KRS)     Lloyds Register of Shipping (LRS)     No     Nippon Kaiji Kyokai (Class NK)     Polski Rejestr Statkow (PRS)     Chinese Classification Society (CCS)  Ambient temperature during operation      min.     O °C     max.  Ambient temperature during storage/transportation   | • IECEx Zone 2  | Yes                                  |
| FM Class I Division 2  Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) No No Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Mo  Ambient temperature during operation min. min. max.  O °C Ambient temperature during storage/transportation   | • IECEx Zone 22   | Yes                                  |
| Marine approval  Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (KRS) Alippon Kajji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient temperature during operation min. max.  O °C Ambient temperature during storage/transportation  | • cULus Class I Zone 2, Division 2  | No; in preparation                   |
| Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) No Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient conditions  Ambient temperature during operation min. min. max. Ambient temperature during storage/transportation  | FM Class I Division 2   | No; in preparation                   |
| <ul> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>No</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> <li>Ambient conditions</li> <li>Ambient temperature during operation</li> <li>min.</li> <li>max.</li> <li>max.</li> <li>45 °C</li> </ul> Ambient temperature during storage/transportation  |   |                                      |
| <ul> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>No</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> <li>Ambient conditions</li> </ul> Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> <li>45 °C</li> </ul> Ambient temperature during storage/transportation   |   |                                      |
| <ul> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>No</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> <li>No</li> </ul> Ambient conditions Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> <li>45 °C</li> </ul> Ambient temperature during storage/transportation   |   | No                                   |
| <ul> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> <li>No</li> </ul> Ambient conditions Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> <li>45 °C</li> </ul> Ambient temperature during storage/transportation   | Germanischer Lloyd (GL)   |                                      |
| <ul> <li>Lloyds Register of Shipping (LRS)</li> <li>No</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> <li>No</li> </ul> Ambient conditions Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> <li>45 °C</li> </ul> Ambient temperature during storage/transportation  | Germanischer Lloyd (GL)     American Bureau of Shipping (ABS)   | No                                   |
| <ul> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> <li>No</li> </ul> Ambient conditions Ambient temperature during operation <ul> <li>min.</li> <li>max.</li> <li>45 °C</li> </ul> Ambient temperature during storage/transportation   | <ul><li>Germanischer Lloyd (GL)</li><li>American Bureau of Shipping (ABS)</li><li>Bureau Veritas (BV)</li></ul>   | No<br>No                             |
| <ul> <li>Polski Rejestr Statkow (PRS)         <ul> <li>Chinese Classification Society (CCS)</li> </ul> </li> <li>Ambient conditions         <ul> <li>Ambient temperature during operation</li> <li>min.</li> <li>max.</li> <li>45 °C</li> </ul> </li> <li>Ambient temperature during storage/transportation</li> </ul>   | <ul> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> </ul>   | No<br>No                             |
| Chinese Classification Society (CCS)  Ambient conditions  Ambient temperature during operation      min.   | <ul> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> </ul>   | No<br>No<br>No                       |
| Ambient conditions  Ambient temperature during operation  onin. on | <ul> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>   | No<br>No<br>No<br>No                 |
| Ambient temperature during operation  ould min. ould max. ould color of the state o | <ul> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>   | No No No No No No                    |
| <ul> <li>min.</li> <li>max.</li> <li>45 °C</li> <li>Ambient temperature during storage/transportation</li> </ul>   | <ul> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Chinese Classification Society (CCS)</li> </ul> | No No No No No No No No              |
|  | <ul> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Korean Register of Shipping (KRS)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> </ul>   | No No No No No No No No              |
| Ambient temperature during storage/transportation  | Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient conditions   | No        |
|  | Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient conditions  Ambient temperature during operation                                   | No O C    |
| min.  -20 °C   | Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient conditions Ambient temperature during operation min. max.                          | No O C    |
|  | Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)  Ambient conditions Ambient temperature during operation min. max.                          | No No No No No No No No No O C 45 °C |

| • max.  | 60 °C                                    |
|---|--|
| Relative humidity   |  |
| Operation, max.   | 90 %; no condensation                    |
| Vibrations  |  |
| <ul> <li>Vibration load in operation</li> </ul>                 | 10 m/s²                                  |
| Vibration load during transport/storage                         | 10 m/s²                                  |
| Shock testing   |  |
| <ul> <li>Shock load during operation</li> </ul>                 | 150 m/s²                                 |
| <ul> <li>shock acceleration during storage/transport</li> </ul> | 150 m/s <sup>2</sup>                     |
| Software  |  |
| Web browser   | Yes; HTML5, CSS                          |
| PDF reader  | Yes                                      |
| configuration / header  |  |
| Configuration   |  |
| Local   | Yes                                      |
| Remote  | Yes; Via web page                        |
| Languages   |  |
| Online languages  |  |
| Number of online/runtime languages                              | 2; german / english                      |
| Peripherals/Options   |  |
| USB memory  | Yes; USB storage medium can be connected |
| Mechanics/material  |  |
| Enclosure material (front)                                      |  |
| Aluminum  | Yes                                      |
| Dimensions  |  |
| Width of the housing front                                      | 529 mm                                   |
| Height of housing front   | 331 mm                                   |
| Mounting cutout, width  | 513 mm                                   |
| Mounting cutout, height   | 315 mm                                   |
| Overall depth   | 73 mm                                    |
| Weights   |  |
| Weight (without packaging)                                      | 7.2 kg                                   |

last modified: 11/20/2024 🖸