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|---------------------------------|---|--|--|---|
|                                 | <b>iSTS W</b>   | <b>iSTS B4W</b>  | <b>iSTS C</b>  | <b>iSTS Hw</b>  |
| <b>Current rating</b>           | 1Ph: 160A max<br>3Ph: 100A max  | 1Ph: 250A max<br>3Ph: 160A max   | 1Ph: 250A max<br>3Ph: 160A max   | 1Ph: 400A max<br>3Ph: 250A max  |
| <b>Voltage rating</b>           | All region-specific voltages selectable $\pm 10\%$  |  |  |   |
| <b>Type</b>                     | 1-Phase/2-Pole, 3-Phase/3-Pole or 3-Phase/4-Pole  |  |  |   |
| <b>Frequency</b>                | 50Hz and 60Hz, $\pm 10\%$ - Auto detection  |  |  |   |
| <b>Transfer type</b>            | Break-Before-Make zero current transfer by Thyristors / SCR                                     |  |  |   |
| <b>Synchronous break time</b>   | <1ms - synchronous break time up to $\frac{1}{4}$ cycle   |  |  |   |
| <b>MTBF</b>                     | >800,000 hours  |  |  |   |
| <b>Maintenance bypass</b>       | 3-position overlapping, no-break CAM switch   | 3-position overlapping, no-break CAM switch with hot socket field replaceable power module | 5 Mechanically interlocked circuit breakers  |   |
| <b>Isolation</b>                | Incoming source isolator switches   |  | Incoming sources and output isolator switches                                      |   |
| <b>Display</b>                  | Bi-colour LED mimic decal with graphic OLED display and information interface                   |  |  |   |
| <b>Interface</b>                | Preferred supply selection, Source transfer selection and Alarm cancel button                   |  |  |   |
| <b>Contact</b>                  | 2 Self wetting transfer control inputs and 5 Voltage free change-over status indicators, Form C |  |  |   |
| <b>Ethernet</b>                 | HTTP, SNMP, MODBUS TCP, Email & NTP   |  |  |   |
| <b>Connexions</b>               | Fixed wiring to terminals up to 70mm <sup>2</sup> cables via glands                             |  | Fixed wiring to terminals up to 95mm <sup>2</sup> cables via glands                |   |
| <b>Dimensions H x W x D</b>     | 550 x 460 x 260mm   | 650 x 483 x 177mm  | 800 x 600 x 400mm  | 1200 x 600 x 300mm  |
| <b>Weight</b>                   | 25kg  | 38kg   | 60kg - 97kg  | 75kg - 165kg  |
| <b>Temperature</b>              | 0 – 45°C  |  |  |   |
| <b>IP rating</b>                | IP20  |  | IP21   |   |
| <b>Detection</b>                | Digital: <1ms   |  |  |   |
| <b>Asynchronous break time</b>  | 0ms, 10ms, 50ms or Vt proportional, 0° to 180°  |  |  |   |
| <b>Loading</b>                  | 0 - 100% @45°C ambient  |  |  |   |
| <b>Device ratings</b>           | 134A <sub>RMS</sub> , 1400V, 2kA for 1 cycle  | 250/300A <sub>RMS</sub> , 1400V, 3.5/5kA 1 cycle   | 1250A <sub>RMS</sub> , 1800V, 20kA 1 cycle   |   |
| <b>Overload @40°C ambient</b>   | 125A for 30s<br>140A for 1s, 250A for 0.1s<br>2kA for 1 cycle                                   | 125% for 10min, 150% for 30s<br>200% for 1s, 300% for 0.1s<br>5kA for 1 cycle              | 125% for 10min, 150% for 30s, 1kA for 1s, 20kA for 1 cycle                         |   |
| <b>Fault current setting</b>    | >350% peak with load fault transfer inhibit   |  |  |   |
| <b>Safe install environment</b> | 20kA, 100/200A internally fused   | 20kA, 300A internally fused  | 20kA for 1 cycle - Fuseless design   |   |
| <b>Protection</b>               | 100A/200A fuses – FE/FEE BS88   | 300A fuses – aR-NGT00  | Circuit breakers   |   |
| <b>Power factor</b>             | No practical limit  |  |  |   |
| <b>Max THDV</b>                 | 10% - Max allowable source voltage distortion   |  |  |   |
| <b>Crest factor</b>             | 3.5 : 1   |  |  |   |
| <b>dV/dt max</b>                | 800V/ $\mu$ s   |  |  |   |
| <b>Cooling</b>                  | Redundant fans  |  |  |   |
| <b>Humidity @40°C ambient</b>   | 5 – 95% non-condensing  |  |  |   |
| <b>Regulatory approvals</b>     | IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM - UL Capable - RoHS                |  |  |   |
| <b>Standard warranty</b>        | 24 months onsite repair or replacement policy   |  |  |   |

Specifications are subject to change without notice