



## TECHNICAL DATA SHEET

| Description                 | Date       | Prepared by |
|-----------------------------|------------|-------------|
| Rev. A Issued for proposal. | 14.03.2017 | A. Roosipuu |
| Rev. B -                    | -          | -           |
| Rev. C -                    | -          | -           |

### GENERAL DATA

|  |  |
|--|--|
| P1010 Document number                    | TRTDS0000916-01                                      |
| P1020 Item code                          | 39205  |
| P1030 Project                            | XKIB-IEC 90/400/7-50                                 |
| P1032 Grid Solutions Oy (Ltd.) item code | JC301130-00  |
| P1040 Application                        | Three phase Blocking reactor                         |
| P1050 Inductor type                      | Vacuum impregnated (VI) dry type steel core inductor |
| P1060 Cooling method                     | AN   |
| P1070 Installation altitude              | < 1000 m above sea-level                             |
| P1080 Standards                          | IEC 60076-6  |

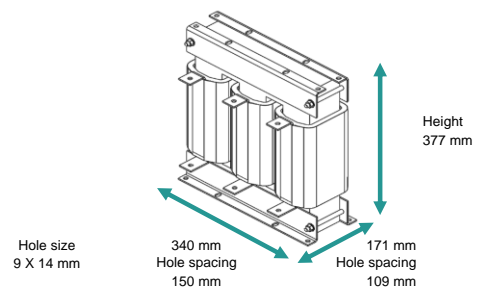
### ELECTRICAL DATA

|   |          |
|---|----------|
| P2010 Nominal inductance [-3 % ... +3 % at 50 Hz] | 0,426 mH |
| P2020 Nominal frequency                           | 50 Hz    |
| P2040 Nominal operating voltage [Vrms]            | 400 V    |
| P2050 Nominal current [rms]                       | 151,8 A  |
| P2061 Fundamental current (50Hz)                  | 142,9 A  |
| P2071 Total losses                                | 382 W    |

### ADDITIONAL TECHNICAL DATA

|  |                    |
|--|--------------------|
| P3010 Min. Cooling Air Flow Speed          | Natural convection |
| P3020 Max ambient temperature              | 40,0 °C            |
| P3030 Installation environment             | Indoor             |
| P3040 Storage temperature                  | -30 °C ... + 70 °C |
| P3050 Transportation temperature           | -30 °C ... + 70 °C |
| P3060 Humidity, non condensing             | Max 95 %           |
| P3070 Protection class                     | IP 00              |
| P3080 Pollution degree IEC 60664-1         | 2                  |
| P3100 Thermal class of insulation material | F                  |
| P3110 Total weight                         | 64 kg              |
| P3120 Impregnation method                  | Vacuum             |
| P3130 Duty class                           | Continuous         |

Preliminary dimensions



### TESTS

|  |                                  |
|--|----------------------------------|
| P4010 Routine tests                                      |                                  |
| P4020 Visual inspection                                  | For all units                    |
| P4030 Insulation voltage test winding to winding 50Hz/1s | 4 kV                             |
| P4040 Insulation voltage test winding to core 50Hz/1s    | 4 kV                             |
| P4060 Inductance test                                    | Ln (-3 % ... +3 %) For all units |

### DOCUMENTATION

|                               |                 |
|-------------------------------|-----------------|
| P5010 Drawing document number | TRDOC0189075-01 |
|-------------------------------|-----------------|

### NOTES

|                              |            |
|------------------------------|------------|
| P9010 Manufacturing location | Made in EU |
|------------------------------|------------|