

TRANSFORMER SITAS;  
 PHASES:1;  
 PN/PN(S6)(KVA):1,6 /7,3;  
 UPRI(V):230+/-5%;  
 USEC(V):110;  
 ISEC(A):14,5;  
 F(HZ):50...60;  
 VECTOR GR./SHIELD WNG.:II0 /0;  
 TA/ISOKL:40 /B;  
 IP00;  
 TYPE OF TERMINALS:SCREW/TAB CONNECTION;  
 INSTALLATION:SCREW;  
 EN 61558-2-1, -2-2,  
 -2-4 >UL/CSA-RECOGNIZED< >CONTROL CIRCUIT  
 TRANSFORMER< >ISOLATION TRANSFORMER<

### General technical details:

|                                         |     |                   |
|-----------------------------------------|-----|-------------------|
| Product designation                     |     | transformer SITAS |
| product brand name                      |     | SIDAC             |
| Operating apparent output / rated value | V·A | 1,600             |
| Efficiency                              |     | 0.96              |
| Manner of switching for transformers    |     | II0               |
| Verification of suitability             |     | CE / cRUus        |
| Product function                        |     |                   |
| • temperature surveillance              |     | No                |
| • isolation control                     |     | No                |
| • short circuit and overload protection |     | No                |
| Number of the protective coils          |     | 0                 |
| Short-term vector power                 | V·A | 7,300             |
| Relative short-circuit voltage          | %   | 2.45              |

### Inputs:

|                              |    |     |
|------------------------------|----|-----|
| Phase number / of the inputs |    | 1   |
| Input voltage                |    |     |
| • _1 / rated value           | V  | 242 |
| • _2 / rated value           | V  | 230 |
| • _3 / rated value           | V  | 218 |
| Electrical input frequency   |    |     |
| • minimum                    | Hz | 50  |
| • maximum                    | Hz | 60  |

**Outputs:****Phase number / of the outputs**

1

**Output voltage**

- \_1 / rated value

V

110

**Electrical output frequency**

- maximum
- minimum

Hz

60

Hz

50

**Ambient conditions:****Thermal class / according to IEC 60085**

B

**Ambient temperature / rated value**

°C

40

**Protection class IP**

IP00

**Mechanical design:****Design of the electrical connection**

- secondary side / for main current circuit
- at the input / for main current circuit

screw-type terminals / tab terminals

screw-type terminals / tab terminals

**Mounting type**

screws

**Construction form of the iron core**

EI 174/82

**Width**

m

0.176

**Height**

m

0.164

**Depth**

m

0.138

**Certificates/approvals:****General Product Approval****Shipping Approval****other**[other](#)**Further information:****Information- and Downloadcenter (Catalogs, Brochures,...)**<http://www.siemens.com/industrial-controls/catalogs>**Industry Mall (Online ordering system)**<http://www.siemens.com/industrial-controls/mall>**CAX-Online-Generator**<http://www.siemens.com/cax>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/4AM6142-4TJ10-0FA0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=4AM6142-4TJ10-0FA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4AM6142-4TJ10-0FA0)**last change:**

Dec 5, 2011