

TRANSFORMER SITAS;  
 PHASES:3;  
 PN/PN(S6)(KVA):1 /3,5;  
 UPRI(V):Y500-400/D289-230;  
 USEC(V):Y 400 / D 230;  
 ISEC(A):1,44-2,50;  
 F(HZ):50...60;  
 VECTOR GR./SHIELD WNG.:IIIIII0 /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 | 1,000             |
| Efficiency                              |     | 0.92              |
| Manner of switching for transformers    |     | IIIIII0           |
| 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 | 3,500             |
| Relative short-circuit voltage          | %   | 5.38              |

### Inputs:

|                              |    |     |
|------------------------------|----|-----|
| Phase number / of the inputs |    | 3   |
| Input voltage                |    |     |
| • _1 / rated value           | V  | 500 |
| • _2 / rated value           | V  | 400 |
| • _3 / rated value           | V  | 289 |
| • _4 / rated value           | V  | 230 |
| Electrical input frequency   |    |     |
| • minimum                    | Hz | 50  |

- maximum

|    |    |
|----|----|
| Hz | 60 |
|----|----|

#### Outputs:

|                                      |    |     |
|--------------------------------------|----|-----|
| <b>Phase number / of the outputs</b> |    | 3   |
| <b>Output voltage</b>                |    |     |
| • _1 / rated value                   | V  | 400 |
| • _2 / rated value                   | V  | 230 |
| <b>Electrical output frequency</b>   |    |     |
| • maximum                            | Hz | 60  |
| • minimum                            | Hz | 50  |

#### Ambient conditions:

|                                               |    |      |
|-----------------------------------------------|----|------|
| <b>Thermal class / according to IEC 60085</b> |    | B    |
| <b>Ambient temperature / rated value</b>      | °C | 40   |
| <b>Protection class IP</b>                    |    | IP00 |

#### Mechanical design:

|                                             |   |                                      |
|---------------------------------------------|---|--------------------------------------|
| <b>Design of the electrical connection</b>  |   |                                      |
| • secondary side / for main current circuit |   | screw-type terminals / tab terminals |
| • at the input / for main current circuit   |   | screw-type terminals / tab terminals |
| <b>Mounting type</b>                        |   | screws                               |
| <b>Construction form of the iron core</b>   |   | 3UI 90/50                            |
| <b>Width</b>                                | m | 0.219                                |
| <b>Height</b>                               | m | 0.168                                |
| <b>Depth</b>                                | m | 0.168                                |

#### 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/4AP2142-8BC40-0HA0/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=4AP2142-8BC40-0HA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4AP2142-8BC40-0HA0)

last change:

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