

TRANSFORMER SITAS;  
 PHASES:1;  
 PN/PN(S6)(KVA):0,5 /2;  
 UPRI(V):600-575-550-525-500- 480-460-440-415-400-240-230;  
 USEC(V):24;  
 ISEC(A):20,8;  
 F(HZ):50...60;  
 VECTOR GR./SHIELD WNG.:II0 /0;  
 TA/ISOKL:40 /B;  
 IP00;  
 TYPE OF TERMINALS:SCREW/TAB CONNECTION;  
 INSTALLATION:MOUNTING RAILS;  
 EN 61558-2-1, -2-2,  
 -2-4 >UL/CSA-RECOGNIZED< >CONTROL CIRCUIT  
 TRANSFORMER< >SAFETY ISOLATING  
 TRANSFORMER<

### General technical details:

|                                         |     |                   |
|-----------------------------------------|-----|-------------------|
| Product designation                     |     | transformer SITAS |
| product brand name                      |     | SIDAC             |
| Operating apparent output / rated value | V·A | 500               |
| Efficiency                              |     | 0.91              |
| 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 | 2,000             |
| Relative short-circuit voltage          | %   | 3.8               |

### Inputs:

|                              |   |     |
|------------------------------|---|-----|
| Phase number / of the inputs |   | 1   |
| Input voltage                |   |     |
| • _1 / rated value           | V | 600 |
| • _2 / rated value           | V | 575 |
| • _3 / rated value           | V | 550 |
| • _4 / rated value           | V | 525 |

|                                   |    |     |
|-----------------------------------|----|-----|
| • _5 / rated value                | V  | 500 |
| • _6 / rated value                | V  | 480 |
| • _7 / rated value                | V  | 460 |
| • _8 / rated value                | V  | 440 |
| • _9 / rated value                | V  | 415 |
| • _10 / rated value               | V  | 400 |
| • _11 / rated value               | V  | 240 |
| • _12 / rated value               | V  | 230 |
| <b>Electrical input frequency</b> |    |     |
| • minimum                         | Hz | 50  |
| • maximum                         | Hz | 60  |

|                                      |    |    |
|--------------------------------------|----|----|
| <b>Outputs:</b>                      |    |    |
| <b>Phase number / of the outputs</b> |    | 1  |
| <b>Output voltage</b>                |    |    |
| • _1 / rated value                   | V  | 24 |
| <b>Electrical output frequency</b>   |    |    |
| • maximum                            | Hz | 60 |
| • minimum                            | Hz | 50 |

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

|                                             |   |                                      |
|---------------------------------------------|---|--------------------------------------|
| <b>Mechanical design:</b>                   |   |                                      |
| <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>                        |   | standard rail                        |
| <b>Construction form of the iron core</b>   |   | EI 120/72                            |
| <b>Width</b>                                | m | 0.122                                |
| <b>Height</b>                               | m | 0.121                                |
| <b>Depth</b>                                | m | 0.134                                |

|                                 |                          |              |
|---------------------------------|--------------------------|--------------|
| <b>Certificates/approvals:</b>  |                          |              |
| <b>General Product Approval</b> | <b>Shipping Approval</b> | <b>other</b> |



[other](#)

|                             |
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| <b>Further information:</b> |
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**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

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**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrial-controls/mall>

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**CAX-Online-Generator**

<http://www.siemens.com/cax>

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**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/4AM4842-8EN00-0EB0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=4AM4842-8EN00-0EB0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4AM4842-8EN00-0EB0)

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**last change:**

Dec 5, 2011