

TRANSFORMER SITAS;  
 PHASES:1;  
 PN/PN(S6)(KVA):0,5 /2;  
 UPRI(V):660+/-5%;  
 USEC(V):230;  
 ISEC(A):2,174;  
 F(HZ):50...60;  
 VECTOR GR./SHIELD WNG.:li0 /0;  
 TA/ISOKL:40 /B;  
 IP00;  
 TYPE OF TERMINALS:SCREW/TAB CONNECTION;  
 INSTALLATION:SCREW;  
 EN 61558-2-1, -2-2,  
 -2-4 >CONTROL CIRCUIT TRANSFORMER< >ISOLATION  
 TRANSFORMER<

**General technical details:**

<b>Product designation</b>		transformer SITAS
<b>product brand name</b>		SIDAC
<b>Operating apparent output / rated value</b>	V-A	500
<b>Efficiency</b>		0.91
<b>Manner of switching for transformers</b>		li0
<b>Verification of suitability</b>		CE
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• temperature surveillance</li> </ul>		No
<ul style="list-style-type: none"> <li>• isolation control</li> </ul>		No
<ul style="list-style-type: none"> <li>• short circuit and overload protection</li> </ul>		No
<b>Number of the protective coils</b>		0
<b>Short-term vector power</b>	V-A	2,000
<b>Relative short-circuit voltage</b>	%	3.8

**Inputs:**

<b>Phase number / of the inputs</b>		1
<b>Input voltage</b>		
<ul style="list-style-type: none"> <li>• _1 / rated value</li> </ul>	V	693
<ul style="list-style-type: none"> <li>• _2 / rated value</li> </ul>	V	660
<ul style="list-style-type: none"> <li>• _3 / rated value</li> </ul>	V	627
<b>Electrical input frequency</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	Hz	50
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	Hz	60

**Outputs:**

<b>Phase number / of the outputs</b>		1
<b>Output voltage</b>		
• _1 / 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>		EI 120/72
<b>Width</b>	m	0.122
<b>Height</b>	m	0.121
<b>Depth</b>	m	0.134

**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/4AM4842-5LT10-0FA0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=4AM4842-5LT10-0FA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4AM4842-5LT10-0FA0)**last change:**

Dec 5, 2011