

TRANSFORMER SITAS;  
 PHASES:1;  
 PN/PN(S6)(KVA):0,145 /0,49;  
 UPRI(V):230+/-5%;  
 USEC(V):24;  
 ISEC(A):5,86;  
 F(HZ):50...60;  
 VECTOR GR./SHIELD WNG.:li0 /0;  
 TA/ISOKL:50 /B;  
 IP23;  
 TYPE OF TERMINALS:SCREW/TAB CONNECTION;  
 INSTALLATION:SCREWS/MOUNTING RAILS;  
 EN 61558-2-2,  
 -2-6 >UL/CSA-RECOGNIZED< >CONTROL CIRCUIT  
 TRANSFORMER< >SAFETY ISOLATING  
 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	145
<b>Efficiency</b>		0.86
<b>Manner of switching for transformers</b>		li0
<b>Verification of suitability</b>		CE / cRUus
<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	490
<b>Relative short-circuit voltage</b>	%	7.7

**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	242
<ul style="list-style-type: none"> <li>_2 / rated value</li> </ul>	V	230
<ul style="list-style-type: none"> <li>_3 / rated value</li> </ul>	V	218
<b>Electrical input frequency</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	Hz	50

- maximum

Hz	60
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#### Outputs:

<b>Phase number / of the outputs</b>		1
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<b>Output voltage</b>		
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- \_1 / rated value

V	24
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<b>Electrical output frequency</b>		
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- maximum
- minimum

Hz	60
Hz	50

#### Ambient conditions:

<b>Thermal class / according to IEC 60085</b>		B
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<b>Ambient temperature / rated value</b>	°C	50
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<b>Protection class IP</b>		IP23
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#### Mechanical design:

<b>Design of the electrical connection</b>		
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- secondary side / for main current circuit
- at the input / for main current circuit

screw-type terminals / tab terminals
screw-type terminals / tab terminals

<b>Mounting type</b>		screws / standard rail
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<b>Construction form of the iron core</b>		EI 96/44
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<b>Width</b>	m	0.244
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<b>Height</b>	m	0.245
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<b>Depth</b>	m	0.23
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#### Certificates/approvals:

<b>General Product Approval</b>	<b>Shipping Approval</b>	<b>other</b>
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[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/4AM3842-4TN00-0EC0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=4AM3842-4TN00-0EC0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4AM3842-4TN00-0EC0)

last change:

Dec 5, 2011