

TRANSFORMER SITAS;
 PHASES:1;
 PN/PN(S6)(KVA):5 /18,5;
 UPRI(V):440+/-5%;
 USEC(V):110;
 ISEC(A):45,5;
 F(HZ):50...60;
 VECTOR GR./SHIELD WNG.:II0 /0;
 TA/ISOKL:55 /H;
 IP00;
 TYPE OF TERMINALS:SCREW 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	5,000
Efficiency		0.94
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	19,000
Relative short-circuit voltage	%	4.57

Inputs:

Phase number / of the inputs		1
Input voltage		
• _1 / rated value	V	462
• _2 / rated value	V	440
• _3 / rated value	V	418
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**

H

Ambient temperature / rated value

°C

55

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

screw-type terminals

Mounting type

screws

Construction form of the iron core

UI 180/75

Width

m

0.194

Height

m

0.32

Depth

m

0.169

Certificates/approvals:**General Product Approval****Shipping Approval****other**
[Declaration of
Conformity](#)
[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/4AT3612-5CJ10-0FA0/all>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4AT3612-5CJ10-0FA0
last change:

Dec 5, 2011