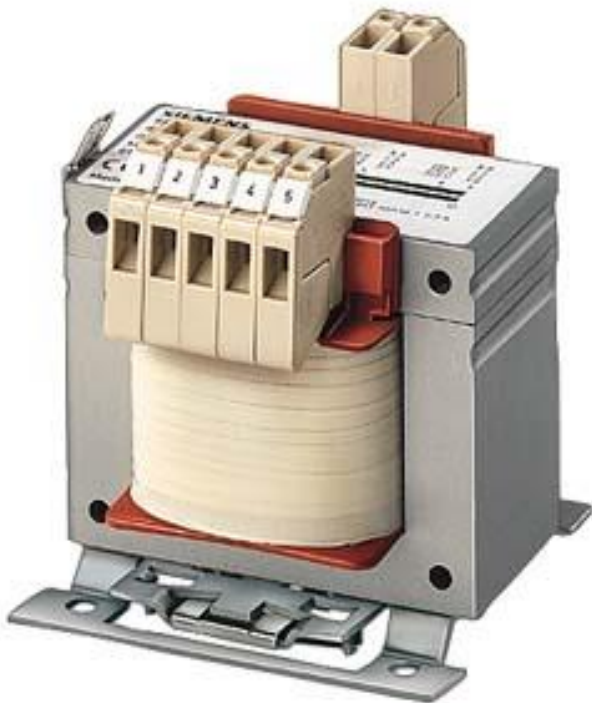




TRANSFORMER SITAS; PHASES:1;  
PN/PN(S6)(KVA):0,16 /0,49; UPRI(V):230+/-5%;  
USEC(V):110; ISEC(A):1,45; F(HZ):50...60; VECTOR  
GR./SHIELD WNG.:II0 /0; TA/ISOKL:40 /B; IP00; TYPE  
OF TERMINALS:SCREW/TAB CONNECTION;  
INSTALLATION:SCREWS/MOUNTING RAILS; EN  
61558-2-1, -2-2, -2-4 >UL/CSA-RECOGNIZED<  
>CONTROL CIRCUIT TRANSFORMER< >ISOLATION  
TRANSFORMER<

Figure similar

| General technical data                |     |                   |
|---------------------------------------|-----|-------------------|
| Product designation                   |     | transformer SITAS |
| Product brand name                    |     | SIDAC             |
| Operating apparent output rated value | V·A | 160               |
| Efficiency                            |     | 0.86              |
| Connection method for transformers    |     | II0               |
| Certificate of suitability            |     | CE / cRUus        |
| Product function                      |     |                   |
| • Temperature monitoring              |     | No                |
| • Insulation monitoring               |     | No                |
| • Short-circuit and overload proof    |     | No                |
| Number of shielding windings          |     | 0                 |
| Short-term vector power               | V·A | 490               |
| Relative short-circuit voltage        | %   | 7.7               |
| Inputs                                |     |                   |
| Phase number of the inputs            |     | 1                 |
| Input voltage                         |     |                   |

|                                   |    |     |
|-----------------------------------|----|-----|
| • _1 rated value                  | V  | 242 |
| • _2 rated value                  | V  | 230 |
| • _3 rated value                  | V  | 218 |
| <b>Electrical input frequency</b> |    |     |
| • minimum                         | Hz | 50  |
| • maximum                         | Hz | 60  |

#### Outputs

|                                    |    |     |
|------------------------------------|----|-----|
| <b>Phase number of the outputs</b> |    | 1   |
| <b>Output voltage</b>              |    |     |
| • _1 rated value                   | V  | 110 |
| <b>Electrical output frequency</b> |    |     |
| • maximum                          | Hz | 60  |
| • minimum                          | Hz | 50  |

#### Ambient conditions

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

#### Mechanical data

|                                           |   |                                      |
|-------------------------------------------|---|--------------------------------------|
| <b>Type of electrical connection</b>      |   |                                      |
| • at output for main current circuit      |   | screw-type terminals / tab terminals |
| • at input for main current circuit       |   | screw-type terminals / tab terminals |
| <b>Mounting type</b>                      |   | screws / standard rail               |
| <b>Construction form of the iron core</b> |   | EI 96/44                             |
| <b>Width</b>                              | m | 0.098                                |
| <b>Height</b>                             | m | 0.106                                |
| <b>Depth</b>                              | m | 0.104                                |

#### Certificates/ approvals

|                                 |                                  |                          |              |
|---------------------------------|----------------------------------|--------------------------|--------------|
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> | <b>Shipping Approval</b> | <b>other</b> |
|---------------------------------|----------------------------------|--------------------------|--------------|



[Miscellaneous](#)



[Confirmation](#)

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=4AM3842-4TJ10-0FA0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=4AM3842-4TJ10-0FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/4AM3842-4TJ10-0FA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=4AM3842-4TJ10-0FA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=4AM3842-4TJ10-0FA0&lang=en)

**last modified:**

04/04/2020