



Figure similar

transformer SITAS; phases: 1; Pn/Pn(S6)(kVA): 0.1 /0.31; Upri(V): 400+/-5%; Usec(V): 110; Isec(A): 0.909; F(Hz): 50...60; vector group/shielding winding: II0 /0; temperature rise/insulation class: 40 /B; IP00; connection: screw/flat-type connection; mounting: screws / DIN rail; EN 61558-2-1, -2-2, -2-4 >UL/CSA-recognized< >control transformer< >isolation transformer<

| General technical data               |    |                                      |
|--------------------------------------|----|--------------------------------------|
| product designation                  |    | transformer SITAS                    |
| product brand name                   |    | SIDAC                                |
| operating apparent power rated value | VA | 100                                  |
| 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              | VA | 310                                  |
| relative short-circuit voltage       | %  | 8.53                                 |
| Inputs                               |    |                                      |
| phase number of the inputs           |    | 1                                    |
| input voltage                        |    |                                      |
| • _1 rated value                     | V  | 420                                  |
| • _2 rated value                     | V  | 400                                  |
| • _3 rated value                     | V  | 380                                  |
| 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                            | Hz | 60                                   |
| • minimum                            | Hz | 50                                   |
| Ambient conditions                   |    |                                      |
| thermal class according to IEC 60085 |    | B                                    |
| ambient temperature rated value      | °C | 40                                   |
| protection class IP                  |    | IP00                                 |
| Mechanical data                      |    |                                      |
| type of electrical connection        |    |                                      |
| • at output for main current circuit |    | screw-type terminals / tab terminals |
| • at input for main current circuit  |    | screw-type terminals / tab terminals |

|                                    |   |                   |
|------------------------------------|---|-------------------|
| fastening method                   |   | screws / DIN rail |
| construction form of the iron core |   | EI 84/42          |
| width                              | m | 0.086             |
| height                             | m | 0.098             |
| depth                              | m | 0.102             |

#### Certificates/ approvals

|                          |       |             |
|--------------------------|-------|-------------|
| General Product Approval | other | Environment |
|--------------------------|-------|-------------|



[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=4AM3442-5AJ10-0FA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=4AM3442-5AJ10-0FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/4AM3442-5AJ10-0FA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=4AM3442-5AJ10-0FA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=4AM3442-5AJ10-0FA0&lang=en)

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