SIEMENS

## Data sheet 4NC5121-0DC21



current transformer 150/1 A, 2.5 VA, Cl. 0.5

| | |
|---|---|
| **Model** | |
| **product brand name** | SENTRON |
| **product designation** | Current transformer |
| **design of the product** | Bushing-type current transformers |
| **product quality calibrated** | No |
| **size of the current transformer** | 1 |
| **operating apparent power rated value** | 2.5 V·A |
| **operating voltage** | 0.72 kV |
| insulation voltage rated value | 3 kV |
| **designation of overcurrent limiting factor** | FS 5 |
| **operational current rated value maximum** | 360 A |
| **current** | |
| ● **at input rated value** | 150 A |
| ● **at output rated value** | 1 A |
| **accuracy class of the current transformer** | class 0.5 |
| **value range of the operating frequency** | 50/60 Hz |
| **Protection class** | |
| **protection class IP** | IP20 |
| **suitability for use for outside use** | No |
| **suitability for use for interior use** | Yes |
| **product feature touch protection** | Yes |
| **Short circuit** | |
| **formula for rated short-time thermal current (Ith) for 1 s according to IEC 61869-2** | 60 x Ipr |
| **formula for rated dynamic current (Idyn) according to IEC 61869-2** | 2.5 x Ith or 150 x Ipr |
| **Connections** | |
| **type of electrical connection at output** | screw-type terminals |
| **Mechanical Design** | |
| **height** | 75 mm |
| **height of the opening** | 10 mm |
| **width** | 60 mm |
| **width of the push-through bus bar** | |
| ● at 1 bus bar maximum | 20 mm |
| ● in case of 2 bus bars maximum | 20 mm |
| **depth** | 55 mm |
| **fastening method** | screw fixing |
| **diameter of inlet opening** | 19 mm |
| **outer diameter of the push-through conductor maximum** | 19 mm |


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| | |
|---|---|
| **Net Weight** | 338 g |
| **Environmental conditions** | |
| **ambient temperature during operation** | |
| ● minimum | -30 °C |
| ● maximum | 55 °C |
| **ambient temperature during storage** | |
| ● minimum | -30 °C |
| ● maximum | 70 °C |

**Approvals Certificates**

| Environment | General Product Approval |
|---|---|
| Environmental Confirmations | Confirmation |

**other**

Confirmation

**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/lowvoltage/catalogs
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=4NC5121-0DC21
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/4NC5121-0DC21
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4NC5121-0DC21
**CAx-Online-Generator**
https://www.siemens.com/cax
**Tender specifications**
https://www.siemens.com/specifications
**Kennlinien**
https://curves.simaris.siemens.com/curves/4NC5121-0DC21

**last modified:** 3/21/2026


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