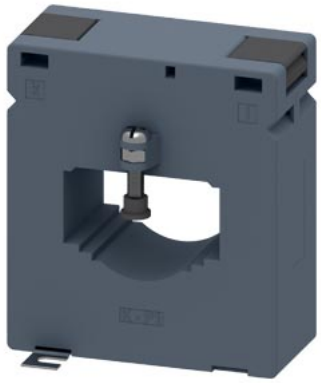
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Data sheet 4NC5431-0CH21



current transformer 800/1 A, 10 VA, Cl. 1.0

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	4
operating apparent power rated value	10 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	960 A
current	
● **at input rated value**	800 A
● **at output rated value**	1 A
accuracy class of the current transformer	class 1
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	127.5 mm
height of the opening	36 mm
width	112 mm
width of the push-through bus bar	
● at 1 bus bar maximum	64 mm
● in case of 2 bus bars maximum	51 mm
depth	77 mm
fastening method	screw fixing
diameter of inlet opening	41 mm
outer diameter of the push-through conductor maximum	41 mm

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Net Weight	979.5 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				other
Environmental Confirmations	EAC	Confirmation	CE EG-Konf.	UKCA	产品合格 QC PASS

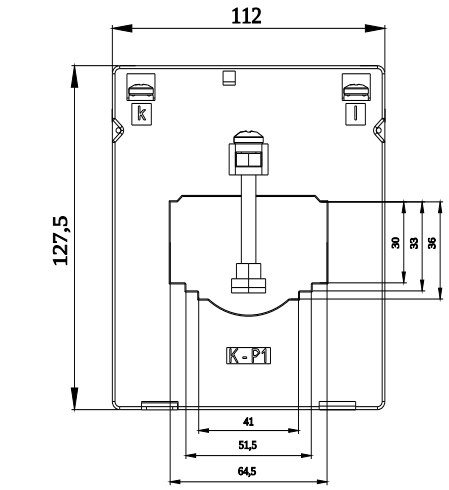
other

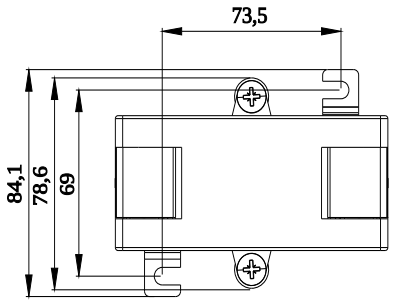
Confirmation

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=4NC5431-0CH21
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/4NC5431-0CH21
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=4NC5431-0CH21
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/4NC5431-0CH21

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