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Data sheet 5TT4201-0



switching relay with 1 NO contact for 230V AC 16A control 230V AC

Model	
product brand name	SENTRON
product designation	Switching relays
design of the product	With 1 NO
design of the switching function	1 NO
General technical data	
operating range factor of control voltage_1	0.8
electrical endurance (operating cycles)	50 000
galvanic isolation between magnet coil and contact	Yes
switching voltage of the contacts at AC minimum	10 V
switching current at AC per contact minimum	100 mA
power loss [V·A] of magnet coil with pulse rated value	3 V·A
Voltage	
type of voltage of the operating voltage	AC
control voltage at AC rated value maximum	230 V
surge voltage resistance rated value	4 kV
Supply voltage	
operating voltage	
● minimum	250 V
● maximum	250 V
● at AC rated value maximum	250 V
type of voltage of the supply voltage	AC
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity apparent power	
● for uncompensated fluorescent lamp load	400 V·A
switching capacity current at cos phi 0.6	16 A
switching capacity active power with incandescent lamp load	1 200 W
Dissipation	
power loss [W]	
● for rated value of the current at AC in hot operating state per pole	1 W
● at 16 A per contact rated value	1 W
● of magnet coil with pulse rated value	2.4 W
Main circuit	
operating frequency rated value	50 Hz
operational current	

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● rated value	16 A
● at cos phi 0.6 ... 1 rated value	16 A
Control current	
type of voltage	
● of control voltage_1	AC
control voltage	
● _1 initial value	230 V
● _1 full-scale value	230 V
control voltage frequency	
● _1 initial value	50 Hz
● _1 full-scale value	50 Hz
operating range factor of control voltage_2	1.1
number of NC contacts	0
number of NO contacts	1
number of CO contacts	0
Product function	
product function direct operation	Yes
Inputs Outputs	
relay design	partially electronic
Number	
number of terminals with cross-head screw	1
Connections	
connectable conductor cross-section for flexible conductor with core end processing	
● minimum	1 mm²
● maximum	6 mm²
connectable conductor cross-section for rigid conductor	
● minimum	1 mm²
● maximum	6 mm²
Mechanical Design	
height	90 mm
width	18 mm
width of opening of the contacts	1.2 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
fastening method	DIN-rail mounting
mounting position	any
required spacing for live parts	6 mm
Net Weight	115 g
Environmental conditions	
ambient temperature during operation	
● minimum	-10 °C
● maximum	40 °C

Approvals Certificates

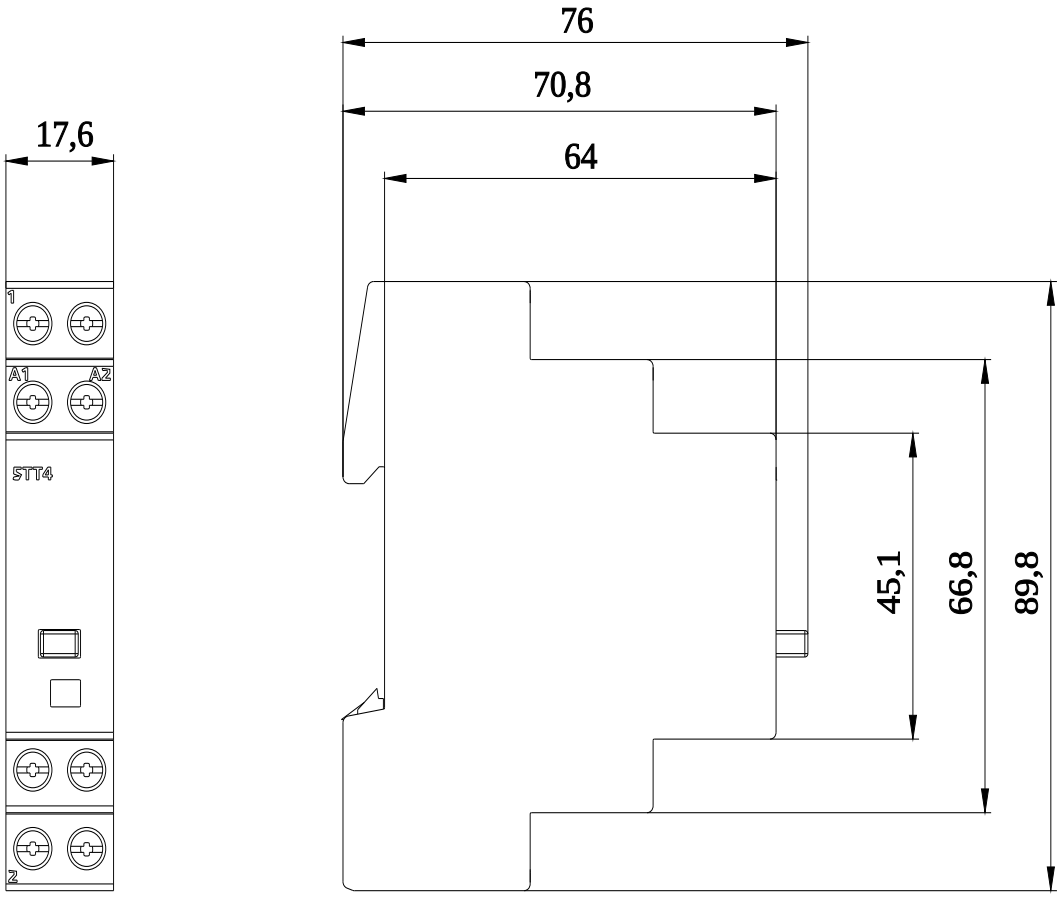
Environment		General Product Approval			
Environmental Con-firmations	Environmental Con-firmations	CCC	VDE	EAC	Confirmation

General Product Approval		Test Certificates	other	
CE EG-Konf.	UKCA	Miscellaneous	Confirmation	产品合格 QC PASS

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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=5TT4201-0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5TT4201-0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4201-0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5TT4201-0



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