SIEMENS

Data sheet 5TT4102-0



Remote control switch with 2 NO contacts, Contact for 230 V AC, 400V 16A
Control 230 V AC

Model	
product brand name	SENTRON
product designation	Remote control switch
latching relay design	Mechanical switch
General technical data	
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
degree of pollution	2
power loss [V·A] of magnet coil with pulse rated value	7 V·A
Voltage	
type of voltage of the operating voltage	AC
continuous voltage fuse version	Yes
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.8
• full-scale value	1.1
surge voltage resistance rated value	4 kV
supply voltage	400 V
Supply voltage	
supply voltage	
• minimum	250 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity apparent power	
• for fluorescent lamp load with DUO circuit	900 V·A
• for fluorescent lamp load with parallel compensation	400 V·A
• for uncompensated fluorescent lamp load	500 V·A
switching capacity current	
• at cos phi 0.6	16 A
• rated value	16 A
switching capacity active power with incandescent lamp load	2 000 W
Dissipation	
power loss [W]	
• at 16 A per contact rated value	1.2 W
• of magnet coil with pulse rated value	4.5 W

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Control current	
type of voltage	
● of control voltage_1	AC
control voltage	
● _1 initial value	184 V
● _1 full-scale value	253 V
● _1 setpoint	230 V
control voltage frequency	
● _1 initial value	50 Hz
● _1 full-scale value	50 Hz
Product details	
product component switch position indicator	Yes
number of NC contacts	0
number of NO contacts	2
number of CO contacts	0
Product function	
product function	
● direct operation	Yes
● communication function	No
● other measurement function	No
pulse duration minimum	50 ms
Number	
number of terminals	6
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
tightening torque with screw-type terminals	
● minimum	0.8 N·m
● maximum	1 N·m
Mechanical Design	
height	90 mm
width	18 mm
width of opening of the contacts	1.2 mm
depth	76 mm
mounting height	90 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	144 g
Environmental conditions	
ambient temperature during operation	
● minimum	-10 °C
● maximum	40 °C
ambient temperature with relative humidity 95% according to DIN 50015	35 °C
Approvals Certificates	

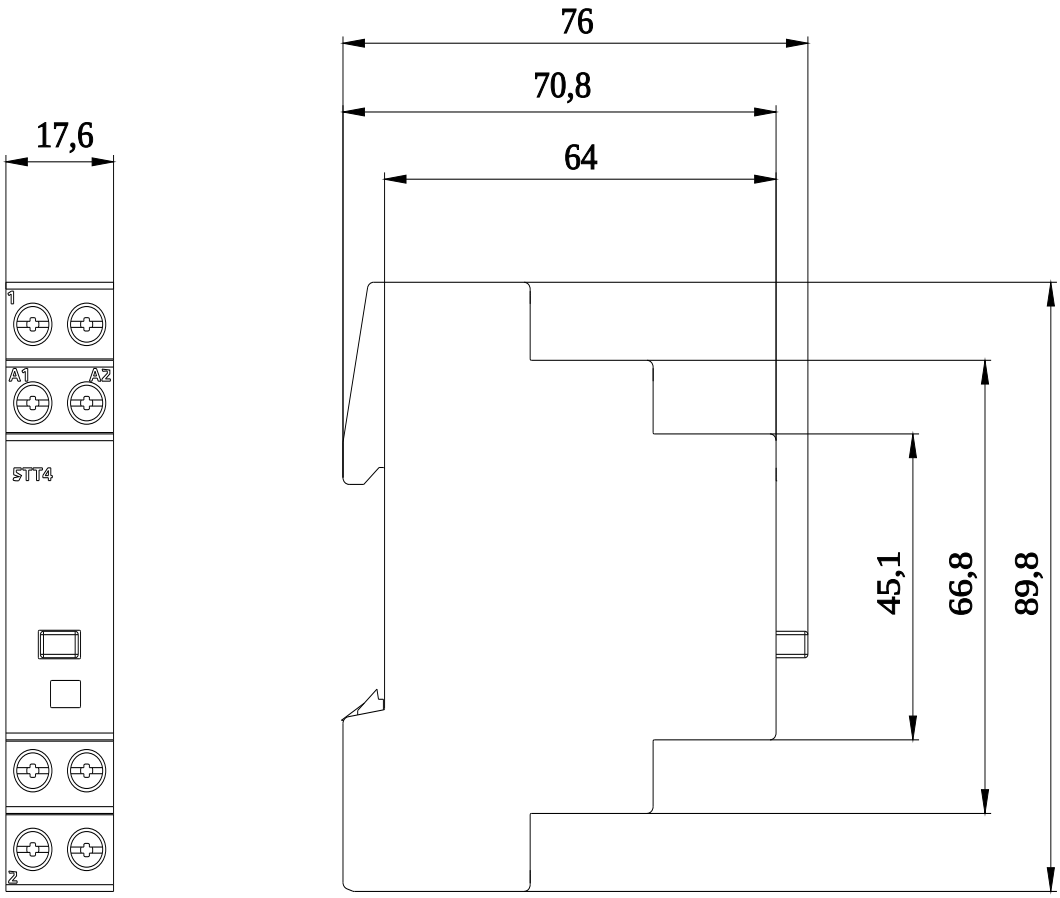
Environment		General Product Approval			
Environmental Con-firmations	Environmental Con-firmations	VDE	EAC	Confirmation	CE EG-Konf.

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General Product Approval	Test Certificates	other	
UKCA	Miscellaneous	Confirmation	产品合格 QC PASS

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=5TT4102-0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5TT4102-0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4102-0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5TT4102-0



last modified: 10/22/2026

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