SIEMENS

Data sheet 5TT4102-0



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

product brain name product designation Remote control switch latching relay design Mechanical switch Mechanical switch Belectrical endurance (operating cycles) 50 000 galvanic isolation between magnet coil and contact Yes witching outgage of the contacts at AC minimum 100 mA power loss [V A] of magnet coil with pulse rated value T VA Valuage Witching outgage of the contact and the product of the control supply voltage and the product of the control supply voltage rated value at AC at 50 Hz initial value 0.8		
product designation Remote control switch latching relay design Mechanical switch General technical data electrical endurance (operating cycles) 50 000 galvaric isolation between magnet coil and contact Yes switching outgate 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 7 VA Voltage Type of voltage of the operating voltage AC continuous voltage fuse version Yes continuous voltage fuse version Yes operating range factor control supply voltage rated value at AC at 50 Hz	Model	
latching relay design General technical data electrical endurance (operating cycles) galvanci solation between magnet coil and contact yes switching outlage of the contacts at AC minimum power loss [V-A] of magnet coil with pulse rated value 7 VA Voltage type of voltage of the operating voltage type of voltage of the operating voltage type of voltage fuse version operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value 1.1 surge voltage resistance rated value 4 kV supply voltage supply volta	product brand name	SENTRON
Ceneral 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 0 mA power loss [V'A] of magnet coil with pulse rated value 7 VA Voltage Voltage Value Value type of voltage of the operating voltage AC continuous voltage fuse version Yes operating range factor control supply voltage rated value at AC a tritial 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 P IP20, with connected conductors switching capacity apparent power for fluorescent lamp load with DUO circuit 900 VA for fluorescent lamp load with parallel compensation for fluorescent lamp load with parallel compensation a to so phi 0.6 16 A a rated value 1.6 A switching capacity scrive power with incandescent lamp load b rated value 1.2 W a ti 6 A per contact rated value 1.2 W a ti 6 A per contact rated value 1.2 W a ti 6 A per contact rated value 1.2 W a ti 6 A per contact rated value 4.5 W Control current type of voltage	product designation	Remote control switch
electrical endurance (operating cycles) galvanic isolation between magnet coil and contact Yes switching current at AC per contact minimum 10 V switching current at AC per contact minimum 100 mA power loss [V-A] of magnet coil with pulse rated value 7 VA Voltage Type of voltage of the operating voltage AC continuous voltage fuse version Operating range factor control supply voltage rated value at AC at 50 Hz initial value Initial v	latching relay design	Mechanical switch
galvanic isolation between magnet coil and contact switching outrage of the contacts at AC minimum power loss [V-A] of magnet coil with pulse rated value 7 VA Voltage Type of voltage of the operating voltage Type of voltage of the operating voltage Type of voltage of the operating voltage Type of voltage fuse version Operating range factor control supply voltage rated value at AC at 50 Hz Initial value Initial value Initial value Initial voltage Voltage Voltage Ves Outlesse voltage resistance rated value Initial voltage Supply voltage Switching capacity Switching capacity apparent power Initial value	General technical data	
switching voltage of the contacts at AC minimum 10 V switching current at AC per contact minimum 100 mA 7 VA 7	electrical endurance (operating cycles)	50 000
switching current at AC per contact minimum power loss [V.A] of magnet coil with pulse rated value 7 VA Voltage 1	galvanic isolation between magnet coil and contact	Yes
power loss [V-A] of magnet coil with pulse rated value Voltage type of voltage of the operating voltage continuous voltage fuse version operating range factor control supply voltage rated value at AC at 50 Hz initial value ini	switching voltage of the contacts at AC minimum	10 V
Voltage Vype of voltage of the operating voltage AC	switching current at AC per contact minimum	100 mA
type of voltage of the operating voltage	power loss [V·A] of magnet coil with pulse rated value	7 VA
continuous voltage fuse version operating range factor control supply voltage rated value at AC at 50 Hz initial value init	Voltage	
operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value 1.1 surge voltage resistance rated value 4 kV supply voltage Supply voltage supply voltage supply voltage minimum Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation • for uncompensated fluorescent lamp load if one capacity current • at cos phi 0.6 • rated value switching capacity active power with incandescent lamp load switching capacity active power with incandescent lamp load Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value • of magnet coil with pulse rated value • of control current type of voltage • of control voltage_1 AC	type of voltage of the operating voltage	AC
at 50 Hz initial value of ull-scale value 1.1 surge voltage resistance rated value supply voltage supply voltage supply voltage minimum 250 V Protection class IP Switching capacity switching capacity apparent power of rof fluorescent lamp load with DUO circuit of rof fluorescent lamp load with parallel compensation of ror uncompensated fluorescent lamp load switching capacity current of at cos phi 0.6 orated value switching capacity active power with incandescent lamp load Dissipation power loss [W] of magnet coil with pulse rated value of magnet coil with pulse rated value of control voltage AC	continuous voltage fuse version	Yes
full-scale value surge voltage resistance rated value supply voltage supply voltage supply voltage supply voltage minimum 250 V Protection class IP Switching capacity switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation • for uncompensated fluorescent lamp load • for uncompensated fluorescent lamp load switching capacity current • at cos phi 0.6 • rated value switching capacity active power with incandescent lamp load Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value • of magnet coil with pulse rated value • of control current type of voltage • of control voltage_1 • of control voltage_1 AC		
surge voltage resistance rated value supply voltage supply voltage supply voltage minimum 250 V Protection class protection class IP Switching capacity switching capacity apparent power	• initial value	0.8
supply voltage Supply voltage supply voltage minimum 250 V Protection class protection class IP Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation • for uncompensated fluorescent lamp load switching capacity current • at cos phi 0.6 • rated value switching capacity active power with incandescent lamp load Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value • of control current type of voltage • of control voltage_1 • of control voltage_1 AC	full-scale value	1.1
Supply voltage minimum 250 V Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit 900 VA • for fluorescent lamp load with parallel compensation 400 VA • for uncompensated fluorescent lamp load 500 VA 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 Control current type of voltage • of control voltage_1 AC	surge voltage resistance rated value	4 kV
supply voltage minimum 250 V Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit 900 VA • for fluorescent lamp load with parallel compensation 400 VA • for uncompensated fluorescent lamp load 500 VA 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 Control current type of voltage • of control voltage_1 AC	supply voltage	400 V
protection class IP IP20, with connected conductors Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit 900 VA • for fluorescent lamp load with parallel compensation 400 VA • for uncompensated fluorescent lamp load 500 VA 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 Control current type of voltage • of control voltage_1 AC	Supply voltage	
protection class IP IP20, with connected conductors Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit 900 VA • for fluorescent lamp load with parallel compensation 400 VA • for uncompensated fluorescent lamp load 500 VA 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 Control current type of voltage • of control voltage_1 AC	supply voltage minimum	250 V
Switching capacity switching capacity apparent power • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation • for uncompensated fluorescent lamp load 500 VA switching capacity current • at cos phi 0.6 • rated value switching capacity active power with incandescent lamp load 2 000 W Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value 1.2 W • of magnet coil with pulse rated value type of voltage • of control voltage_1 AC	Protection class	
switching capacity apparent power • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation • for uncompensated fluorescent lamp load 500 VA switching capacity current • at cos phi 0.6 • rated value switching capacity active power with incandescent lamp load Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value 1.2 W • of magnet coil with pulse rated value 4.5 W Control current type of voltage • of control voltage_1 • of control voltage_1 AC	protection class IP	IP20, with connected conductors
for fluorescent lamp load with DUO circuit e for fluorescent lamp load with parallel compensation e for uncompensated fluorescent lamp load	Switching capacity	
• for fluorescent lamp load with parallel compensation • for uncompensated fluorescent lamp load switching capacity current • at cos phi 0.6 • rated value switching capacity active power with incandescent lamp load Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value type of voltage • of control voltage_1 AC	switching capacity apparent power	
for uncompensated fluorescent lamp load switching capacity current • at cos phi 0.6	 for fluorescent lamp load with DUO circuit 	900 VA
switching capacity current at cos phi 0.6 rated value 16 A switching capacity active power with incandescent lamp load Dissipation power loss [W] at 16 A per contact rated value of magnet coil with pulse rated value type of voltage of control voltage_1 AC	 for fluorescent lamp load with parallel compensation 	400 VA
at cos phi 0.6 rated value rated value switching capacity active power with incandescent lamp load Dissipation power loss [W] at 16 A per contact rated value of magnet coil with pulse rated value type of voltage of control voltage_1 AC	 for uncompensated fluorescent lamp load 	500 VA
• rated value switching capacity active power with incandescent lamp load 2 000 W	switching capacity current	
switching capacity active power with incandescent lamp load Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value type of voltage • of control voltage_1 AC	• at cos phi 0.6	16 A
Dissipation power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value 4.5 W Control current type of voltage • of control voltage_1 AC	rated value	16 A
power loss [W] • at 16 A per contact rated value • of magnet coil with pulse rated value Control current type of voltage • of control voltage_1 AC	switching capacity active power with incandescent lamp load	2 000 W
 at 16 A per contact rated value of magnet coil with pulse rated value 4.5 W Control current type of voltage of control voltage_1 AC	Dissipation	
of magnet coil with pulse rated value Control current type of voltage of control voltage_1 AC	power loss [W]	
Control current type of voltage of control voltage_1 AC	 at 16 A per contact rated value 	1.2 W
type of voltage of control voltage_1 AC	 of magnet coil with pulse rated value 	4.5 W
• of control voltage_1 AC	Control current	
	type of voltage	
control voltage	of control voltage_1	AC
	control voltage	

A to Well well a	404.1/	
• _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	
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		
width of opening of the contacts	1.2 mm	
mounting height	90 mm	
installation depth	70 mm	
number of modular width units	1	
fastening method	DIN rail	
mounting position	any	
required spacing for live parts	6 mm	
net weight	143 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-10 °C	
• maximum	40 °C	
General Product Approval		Declaration of Conformity

Confirmation



Miscellaneous







Test Certificates other Environment

<u>Miscellaneous</u> <u>Confirmation</u> <u>Miscellaneous</u> <u>Environmental Confirmations</u>

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

Information- and Downloadcenter (Catalogs, Brochures,...)

http://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

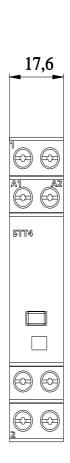
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4102-0

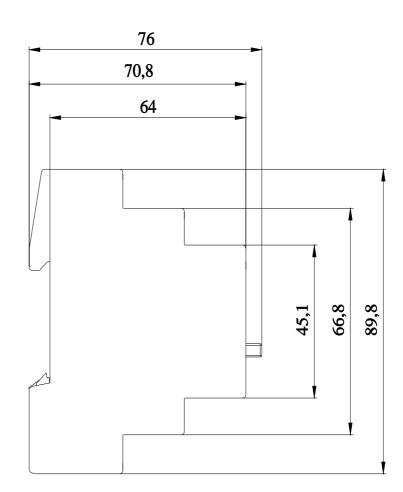
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified:

8/5/2021