## **SIEMENS**

Data sheet 5TT4105-0



Remote control switch with 1 NO contact, and 1 NC Contact for 230 V AC, 400V 16A Control 230 V AC

product designation Remote control switch latching relay design Mechanical switch (Seneral technical data electrical endurance (operating cycles) 50 000 galvanic isolation between magnet coil and contact Yes switching voltage of the contacts at AC minimum 100 mA 100 m		
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 outgage 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 voltage 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 250 V  Protection class  protection class IP  Broaking Capacity switching capacity apparent power for fluorescent lamp load with DUO circuit for fluorescent lamp load with DUO circuit for fluorescent lamp load with parallel compensation for and capacity current at cos phi 0.6 rated value switching capacity current at cos phi 0.6 rated value for an operating voltage capacity apparent power with incandescent lamp load  Switching capacity current at cos phi 0.6 rated value switching capacity active power with incandescent lamp load  Switching capacity current 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	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     supply voltage   250 V     Protection class   P     a for fluorescent lamp load with DUO circuit     of or fluorescent lamp load with parallel compensation     of or fluorescent lamp load with parallel compensation     of or fluorescent lamp load with parallel compensation     of or account of the control voltage     sultching capacity sultching capacity sultching capacity current     of control voltage   16 A     switching capacity active power with incandescent lamp load     0	product designation	Remote control switch
electrical endurance (operating cycles) 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 7 VA  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 Initial	latching relay design	Mechanical switch
galvanic isolation between magnet coil and contact  switching voltage 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 voltage  Version of the voltage resistance rated value  Initial voltage  Supply voltag	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  Breaking 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  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 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  full-scale value  1.1  surge voltage resistance rated value  supply voltage  supply voltage  supply voltage  supply voltage minimum  250 V  Protection class  protection class IP  Breaking 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  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  of control current  type of voltage  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  protection class IP  Breaking 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		
surge voltage resistance rated value supply voltage  supply voltage supply voltage minimum 250 V  Protection class protection class IP Breaking Capacity switching capacity apparent power	• initial value	0.8
supply voltage  Supply voltage  supply voltage minimum  250 V  Protection class  protection class IP  Breaking 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  Breaking 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  Breaking 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	250 V
protection class IP IP20, with connected conductors  Breaking 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  Breaking 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
Breaking 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  1.2 W  • of magnet coil with pulse rated value  4.5 W  Control current  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	Breaking 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	<ul> <li>for fluorescent lamp load with DUO circuit</li> </ul>	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	<ul> <li>for fluorescent lamp load with parallel compensation</li> </ul>	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
<ul> <li>at 16 A per contact rated value</li> <li>of magnet coil with pulse rated value</li> <li>4.5 W</li> </ul> Control current type of voltage <ul> <li>of control voltage_1</li> </ul> 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	<ul> <li>at 16 A per contact rated value</li> </ul>	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	

4	40414
• _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	1
number of NO contacts	1
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 mm <sup>2</sup>
connectable conductor cross-section for rigid conductor	
• minimum	1 mm²
• maximum	6 mm <sup>2</sup>
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
Approvals Certificates	

General Product Approval





Confirmation



**Miscellaneous** 



Test Certificates other Environment

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

## Further information

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=5TT4105-0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/5TT4105-0

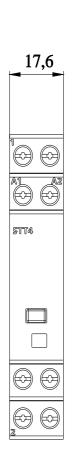
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TT4105-0">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TT4105-0</a>

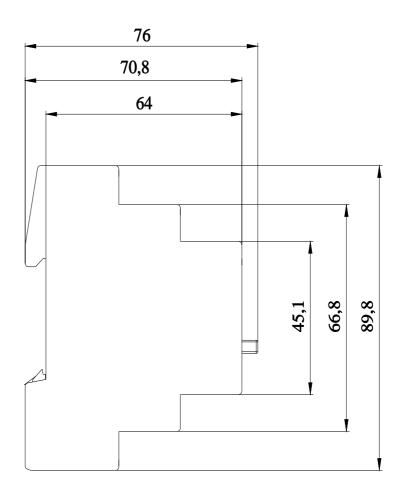
**CAx-Online-Generator** 

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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