## **SIEMENS**

Data sheet 5TT4101-3



Remote control switch with 1 NO contact, Contact for 230 V AC 16 A Control 12V AC

product brand name SENTRON Remote control switch Ialtching relay design Mechanical switch Sentral assistance and Control switch Ialtching relay design Mechanical switch Sentral call switch Sentral switch Sentral call switch Sentral call switch Sentral switch Se		
product designation Remote control switch latching relay design Mechanical switch Ceneral technical data electrical endurance (operating cycles) 50 000 galvanic isolation between magnet coil and contact Yes switching or other or the switching or the contact 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 V/A VOItage Voltage of the contact display to the operating voltage of the operating voltage and the operating voltage and the operating voltage and the operating 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 resistance rated value 4 kV supply voltage resistance rated value 4 kV supply voltage minimum 250 V Protection class Protection class IP IP20, with connected conductors Protection class IP IP20, with connected conductors switching capacity apparent power • of or fuorescent lamp load with parallel compensation 400 VA • for fluorescent lamp load with parallel compensation 400 VA • for uncompensated fluorescent lamp load with parallel compensation 400 VA • for uncompensated fluorescent lamp load 2000 VA switching capacity current • at cos phi 0.6 • fact of value value 4.5 W VA • of magnet coil with pulse rated value 4.5 W Control voltage • of c	Model	
latching relay design  General technical data  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 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  Supply voltage  supply voltage supply	product brand name	SENTRON
Second   S	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 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 • full-scale value • full-scale value  1.1 surge voltage resistance rated value 4 kV supply voltage Supply voltage  Supply voltage  Treating Capacity  Switching capacity apparent power • for fluorescent lamp load with pUO circuit • for fluorescent lamp load with purallel compensation • for uncompensated fluorescent lamp load  Switching capacity current • at cos ph 0.6 • rated value  1.2 W • of magnet coil with pulse rated value  1.2 W • of magnet coil with pulse rated value  4.5 W  Control current  Ves  Ocontrol current  Ves  Ocontrol current  Ves  Ocontrol current  Ves  Ocontrol current  Ves  Of control current  Ves  Of control current  Ves  Of control voltage • of control voltage  • of control voltage • of control voltage • of control voltage • of control voltage • of control voltage • of control voltage • of control voltage • of control voltage	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 operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value full-scale value full-scale value surge voltage resistance rated value full-scale value supply voltage minimum supply voltage minimum supply voltage minimum supply voltage supply voltage minimum supply voltage supply voltage minimum supply voltage supply voltage supply voltage minimum supply voltage supply voltage supply voltage minimum supply voltage minimum supply voltage supply voltage minimum supply voltage with connected conductors supply voltage in in under supply voltage supply voltage supply voltage switching capacity current supply supply supply supply supply supply voltage supply supp	General technical data	
switching voltage of the contacts at AC minimum  switching current at AC per contact minimum  power loss [VA] of magnet coil with pulse rated value  Voltage  type of voltage of the operating voltage  continuous voltage for the operating 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  full-scale value  full-scale value  full-scale value  full-scale value  full-scale value  surge voltage resistance rated value  supply voltage  supp	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  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  full-scale value  full-scale value  surge voltage resistance rated value  supply voltage  supply vo	switching voltage of the contacts at AC minimum	10 V
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  initial value 1.1  surge voltage resistance rated value 4 kV  supply voltage resistance rated value 250 V  Supply voltage minimum 250 V  Protection class P IP20, with connected conductors  Broaking Capacity switching capacity aparent power   of or fluorescent lamp load with DUO circuit 900 VA  for fluorescent lamp load with parallel compensation of for uncompensated fluorescent lamp load 500 VA  switching capacity current of a too spin 0.6 16 A  rated value 16 A  switching capacity active power with incandescent lamp load 2000 W  Dissipation  power loss [W]   of at 16 A per contact rated value 1.2 W  of magnet coll with pulse rated value 4.5 W  Control current  type of voltage  of control voltage 1 AC	switching current at AC per contact minimum	100 mA
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 value full-scale value 1.1 surge voltage resistance rated value supply voltage inimimm 250 V  Protection class IP Froating Capacity switching capacity apparent power for fluorescent lamp load with DUO circuit for fluorescent lamp load with purallel 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 4.5 W  Control current type of voltage of control voltage_1  AC	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  • full-scale value  250 V  Supply voltage resistance rated value  supply voltage  supply voltage  supply voltage  supply voltage  protection class IP  Protection class IP  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 magnet coil with pulse rated value  • of ontrol current  type of voltage  • of control voltage_1  AC	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  250 V  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 many control with pulse rated value  1.2 W  of many control with pulse rated value  of control current  type of voltage  of control voltage  of control voltage  of control voltage  of control voltage	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  if fur fluorescent lamp load with DUO circuit  for fluorescent lamp load with parallel compensation  if for uncompensated fluorescent lamp load  if A  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 coll with pulse rated value  1.2 W  of magnet coll with pulse rated value  of magnet coll with pulse rated value  AC  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 250 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 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 2000 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	• 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  1.2 W • of magnet coil with pulse rated value  • of control current  type of voltage • of control voltage_1  • of control voltage_1  • of control voltage_1	• full-scale value	1.1
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 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   P	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
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  1.2 W  • of magnet coil with pulse rated value  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  16 A  switching capacity active power with incandescent lamp load  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  • of control voltage_1  • of control voltage_1  • of control voltage_1  • AC	protection class IP	IP20, with connected conductors
• 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     500 VA  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	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         • 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	<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
<ul> <li>at cos phi 0.6</li> <li>rated value</li> <li>switching capacity active power with incandescent lamp load</li> <li>Dissipation</li> <li>power loss [W]</li> <li>at 16 A per contact rated value</li> <li>of magnet coil with pulse rated value</li> <li>type of voltage</li> <li>of control voltage_1</li> <li>AC</li> </ul>	<ul> <li>for uncompensated fluorescent lamp load</li> </ul>	500 VA
	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  4.5 W  Control current  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]	
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	<ul> <li>of magnet coil with pulse rated value</li> </ul>	4.5 W
• of control voltage_1 AC	Control current	
• of control voltage_1 AC	type of voltage	
· -		AC
	<u> </u>	

■ _1 initial value	9.6 V		
<ul><li>_1 full-scale value</li></ul>	13.2 V		
• _1 setpoint	12 V		
control voltage frequency			
■ _1 initial value	50 Hz		
• _1 full-scale value	50 Hz		
Product details	Product details		
product component switch position indicator	Yes		
number of NC contacts	0		
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	4		
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	135 g		
Environmental conditions			
ambient temperature during operation			
• minimum	-10 °C		
• maximum	40 °C		
Approvals Certificates			

**General Product Approval** 





Confirmation



**Miscellaneous** 



**Test Certificates** other **Environment** 

Miscellaneous Miscellaneous Confirmation **Environmental Confirmations** 

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=5TT4101-3

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

https://support.industry.siemens.com/cs/ww/en/ps/5TT4101-3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

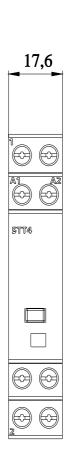
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=51T4101-

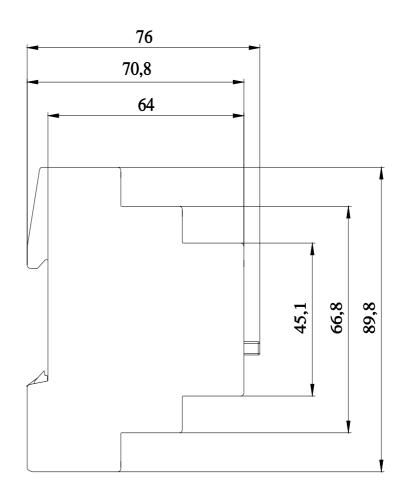
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





last modified:

8/5/2021