SIEMENS

Data sheet 5TT4142-3



Remote control switch with 2 NO contacts, with shutter circuit Contact for 230 V AC, 400V 16A Control 12V AC

Model	
product brand name	SENTRON
product designation	Remote control switch
latching relay design	others
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
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
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	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	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
control voltage	

• _ I initial value		
- 1 setpoint - 1 intil value - 1 full-scale value - 2 full-scale value - 3 full-scale value - 4 full-scale value - 4 full-scale value - 4 full-scale value - 4 full-scale value - 5 full-scale value - 6 full-scale value - 7 full-scale value	■ _1 initial value	9.6 V
Control voltage frequency • _ 1 initial value • _ 1 filtal value • _ 1 filtal value Froduct details product component switch position indicator number of NC contacts 0 number of NC contacts 2 number of NC contacts 0 Product function product function product function direct operation product function minimum Froduct function minimum So ms Number number of terminals 6 Connectable conductor cross-section for flexible conductor with core end processing • minimum • maximum • maximum 1 mm² connectable conductor cross-section for rigid conductor • minimum • maximum 1 mm² tightening torque with screw-type terminals • minimum • maximum • maximum • maximum • maximum • maximum • maximum • mounting height installation depth • 70 mm number of modular width units 1 1 satening method mounting position environmental conditions ambinimum Product function ### Connectable conductor ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### In mm² ### Connectable conductor cross-section for rigid conductor ### Connectable conductor cross-section for rigid conductor ### Connectable conductor cross-section for rigid conductor ### Connectable conductor cross-section for rigi	_1 full-scale value	
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product component switch position indicator number of NC contacts number of CO contacts number of CO contacts 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 maximum maximum functions connectable conductor cross-section for rigid conductor minimum maximum functions connectable conductor cross-section for rigid conductor minimum maximum functions minimum maximum functions minimum maximum functions minimum maximum functions maximum functions mounting height mounting height functions functions functions functions functions functions mounting position any required spacing for live parts functions met weight functions minimum mumber of modular under on mumber of mumber on mumber of mumber on mumber of mumber on mumber of mum	• _1 full-scale value	50 Hz
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Product function product function direct operation product function direct operation product function direct operation pulse duration minimum 50 ms Number number of terminals 6 Connections connectable conductor cross-section for flexible conductor with core end processing	number of NO contacts	2
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maximum tightening torque with screw-type terminals minimum maximum to 8 N·m maximum to 1 N·m Mechanical Design width of opening of the contacts mounting height po mm installation depth roumber of modular width units fastening method mounting position required spacing for live parts net weight Environmental conditions ambient temperature during operation minimum min	connectable conductor cross-section for rigid conductor	
tightening torque with screw-type terminals • minimum • maximum 1 N·m Mechanical Design width of opening of the contacts mounting height installation depth 70 mm number of modular width units 1 fastening method mounting position required spacing for live parts net weight Environmental conditions ambient temperature during operation • minimum • minimum • minimum • minimum • minimum • maximum 1 N·m 9.8 N·m 90 Mm 12 mm 90 mm 11 mm 12 mm 90 mm 13 mm 14 6 g Environmental conditions ambient temperature during operation • minimum • minimu	• minimum	1 mm²
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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 146 g Environmental conditions ambient temperature during operation • minimum • maximum • maximum • 40 °C	Mechanical Design	
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number of modular width units fastening method DIN rail mounting position any required spacing for live parts net weight Environmental conditions ambient temperature during operation • minimum • maximum • maximum 1 DIN rail 6 mm 146 g Environmental conditions 40 °C	mounting height	90 mm
fastening method DIN rail mounting position any required spacing for live parts 6 mm net weight 146 g Environmental conditions ambient temperature during operation • minimum • maximum • maximum 40 °C	installation depth	70 mm
mounting position any required spacing for live parts 6 mm net weight 146 g Environmental conditions ambient temperature during operation • minimum • maximum 40 °C	number of modular width units	1
required spacing for live parts net weight Environmental conditions ambient temperature during operation • minimum • maximum 40 °C	fastening method	DIN rail
net weight Environmental conditions ambient temperature during operation • minimum • maximum 40 °C	mounting position	any
Environmental conditions ambient temperature during operation • minimum • maximum 40 °C	required spacing for live parts	6 mm
ambient temperature during operation • minimum • maximum -10 °C 40 °C	net weight	146 g
 minimum -10 °C maximum 40 °C 	Environmental conditions	
• maximum 40 °C	ambient temperature during operation	
	• minimum	-10 °C
Approvals Certificates	• maximum	40 °C

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=5TT4142-3

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

https://support.industry.siemens.com/cs/ww/en/ps/5TT4142-3

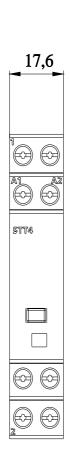
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

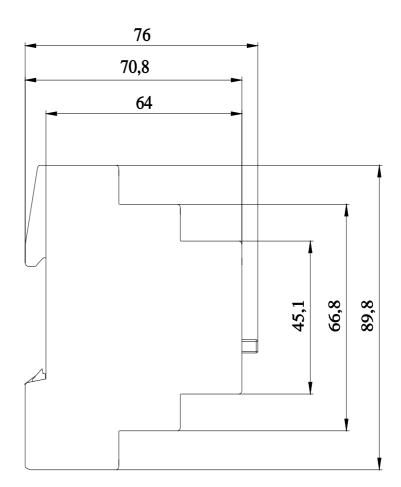
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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