## 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 (switching 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
Switching capacity	
switching capacity apparent power	
<ul> <li>for fluorescent lamp load with DUO circuit</li> </ul>	900 VA
<ul> <li>for fluorescent lamp load with parallel compensation</li> </ul>	400 VA
<ul> <li>for uncompensated fluorescent lamp load</li> </ul>	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]	
<ul> <li>at 16 A / per contact / rated value</li> </ul>	1.2 W
<ul> <li>of magnet coil / with pulse / rated value</li> </ul>	4.5 W
switching current	
with glow lamp load / with 5TT4 920 compensating	25 mA

<ul> <li>with glow lamp load</li> </ul>	5 mA
Control current	
type of voltage	
<ul> <li>of control voltage_1</li> </ul>	AC
control voltage	
<ul> <li>_1 / initial value</li> </ul>	9.6 V
<ul> <li>_1 / full-scale value</li> </ul>	13.2 V
<ul> <li>_1 / setpoint</li> </ul>	12 V
control voltage frequency	
<ul> <li>_1 / initial value</li> </ul>	50 Hz
<ul> <li>_1 / full-scale value</li> </ul>	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 mm <sup>2</sup>
connectable conductor cross-section / for rigid conductor	0 mm
minimum	1 mm²
• maximum	6 mm <sup>2</sup>
tightening torque / with screw-type terminals	0 mm
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	
number of modular width units	1
fastening method	1 DIN rail
fastening method mounting position	1 DIN rail any
fastening method mounting position required spacing / for live parts	1 DIN rail any 6 mm
fastening method mounting position required spacing / for live parts net weight	1 DIN rail any
fastening method mounting position required spacing / for live parts net weight Environmental conditions	1 DIN rail any 6 mm
fastening method         mounting position         required spacing / for live parts         net weight         Environmental conditions         ambient temperature / during operation	1 DIN rail any 6 mm 146 g
fastening method         mounting position         required spacing / for live parts         net weight         Environmental conditions         ambient temperature / during operation         • minimum	1 DIN rail any 6 mm 146 g -10 °C
fastening method mounting position required spacing / for live parts net weight Environmental conditions ambient temperature / during operation • minimum • maximum	1 DIN rail any 6 mm 146 g -10 °C 40 °C
fastening method         mounting position         required spacing / for live parts         net weight         Environmental conditions         ambient temperature / during operation         • minimum	1 DIN rail any 6 mm 146 g -10 °C
fastening method mounting position required spacing / for live parts net weight Environmental conditions ambient temperature / during operation • minimum • maximum	1 DIN rail any 6 mm 146 g -10 °C 40 °C Declaration of Conformity
fastening method         mounting position         required spacing / for live parts         net weight         Environmental conditions         ambient temperature / during operation         • minimum         • maximum         General Product Approval	1 DIN rail any 6 mm 146 g -10 °C 40 °C Declaration of Conformity
fastening method         mounting position         required spacing / for live parts         net weight         Environmental conditions         ambient temperature / during operation         • minimum         • maximum         General Product Approval         Confirmation	1 DIN rail any 6 mm 146 g -10 °C 40 °C Declaration of Conformity US ERE EEG-Konf. LKK

## Further information

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

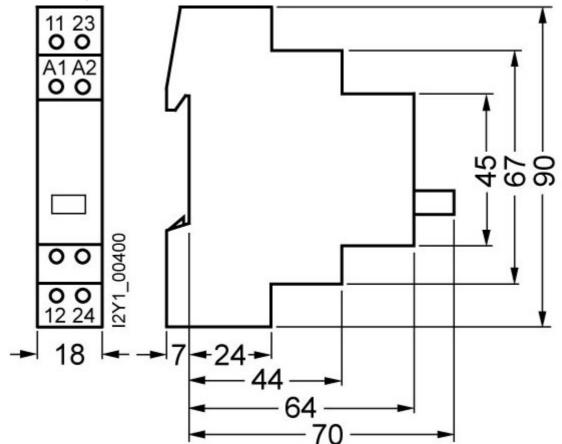
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TT4142-3

CAx-Online-Generator

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications



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