## SIEMENS

## Data sheet

## 5TT4102-3



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

Model	
product brand name	SENTRON
product designation	Remote control switch
latching relay design	Mechanical switch
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 $[V \cdot A]$ / 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	400 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

capacitor	
<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 mm <sup>2</sup>
• 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
number of modular width units	1 DIN rail
fastening method	DIN rail
fastening method mounting position	DIN rail any
fastening method mounting position required spacing / for live parts	DIN rail any 6 mm
fastening method mounting position required spacing / for live parts net weight	DIN rail any 6 mm
fastening method mounting position required spacing / for live parts net weight Environmental conditions	DIN rail any 6 mm 148 g -10 °C
fastening method mounting position required spacing / for live parts net weight Environmental conditions ambient temperature / during operation • minimum • maximum	DIN rail any 6 mm 148 g -10 °C 40 °C
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fastening method mounting position required spacing / for live parts net weight Environmental conditions ambient temperature / during operation • minimum • maximum	DIN rail any 6 mm 148 g -10 °C 40 °C Declaration of Conformity
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## 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=5TT4102-3

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

https://support.industry.siemens.com/cs/ww/en/ps/5TT4102-3

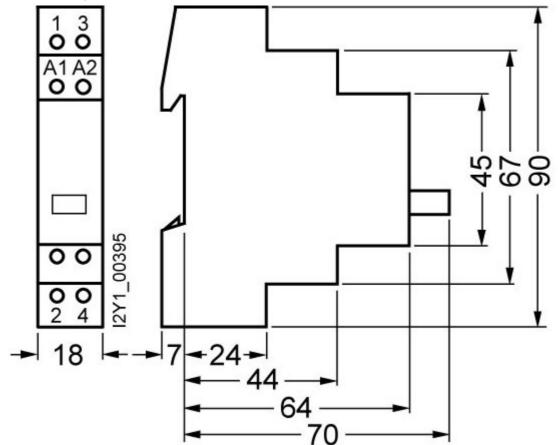
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TT4102-3

CAx-Online-Generator

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications



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