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	
 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
switching current	
with glow lamp load / with 5TT4 920 compensating	25 mA

 with glow lamp load 	5 mA
Control current	
type of voltage	
 of control voltage_1 	AC
control voltage	
 _1 / initial value 	9.6 V
 _1 / full-scale value 	13.2 V
 _1 / setpoint 	12 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	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 ²
connectable conductor cross-section / for rigid conductor	0 mm
minimum	1 mm²
• maximum	6 mm ²
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
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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=5TT4142-3

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

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

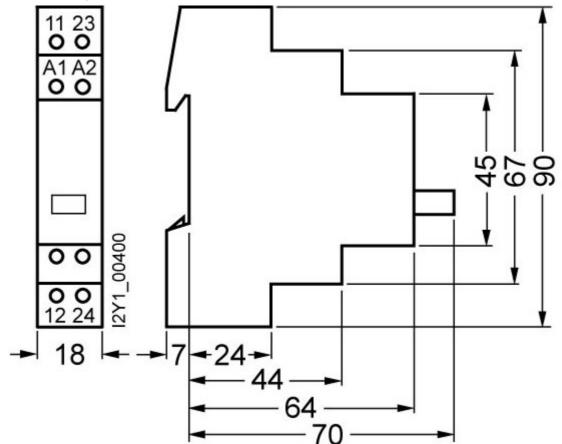
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4142-3

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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