SIEMENS

Data sheet

5TT4142-0



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

capacitor						
 with glow lamp lo 	bad		5 mA			
Control current						
type of voltage						
 of control voltage 	e_1		AC			
control voltage						
 _1 / initial value 			184 V			
 _1 / full-scale val 	lue		253 V			
 _1 / setpoint 			230 V			
control voltage frequen	юу					
 _1 / initial value 			50 Hz			
 _1 / full-scale val 	lue		50 Hz			
Product details						
product component / sv	witch position indicator		Yes			
number of NC contacts			0			
number of NO contacts	5		2			
number of CO contacts	5		0			
Product function						
product function / direc	t operation		Yes			
pulse duration / minimu			50 ms			
Number			001110			
number of terminals			6			
Connections			0			
connectable conductor	cross-section / for flexit	ole	_			
conductor / with core e	end processing		4 2			
• minimum			1 mm ²			
maximum			6 mm²			
	cross-section / for rigid	conductor				
 minimum 			1 mm²			
maximum			6 mm²			
tightening torque / with	screw-type terminals					
tightening torque / with • minimum	screw-type terminals		0.8 N·m			
tightening torque / with • minimum • maximum	screw-type terminals					
tightening torque / with • minimum • maximum Mechanical Design			0.8 N·m 1 N·m			
tightening torque / with • minimum • maximum Mechanical Design width of opening / of the			0.8 N·m 1 N·m 1.2 mm			
tightening torque / with • minimum • maximum Mechanical Design width of opening / of the mounting height			0.8 N·m 1 N·m 1.2 mm 90 mm			
tightening torque / with • minimum • maximum Mechanical Design width of opening / of the mounting height installation depth	e contacts		0.8 N·m 1 N·m 1.2 mm 90 mm 70 mm			
tightening torque / with • minimum • maximum Mechanical Design width of opening / of the mounting height installation depth number of modular wid	e contacts		0.8 N·m 1 N·m 1.2 mm 90 mm 70 mm 1			
tightening torque / with • minimum • maximum Mechanical Design width of opening / of the mounting height installation depth number of modular wid fastening method	e contacts		0.8 N·m 1 N·m 1.2 mm 90 mm 70 mm			
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tightening torque / with • minimum • maximum Mechanical Design width of opening / of the mounting height installation depth number of modular wid fastening method mounting position required spacing / for li	e contacts Ith units		0.8 N·m 1 N·m 1.2 mm 90 mm 70 mm 1 DIN rail any 6 mm			
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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=5TT4142-0

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

https://support.industry.siemens.com/cs/ww/en/ps/5TT4142-0

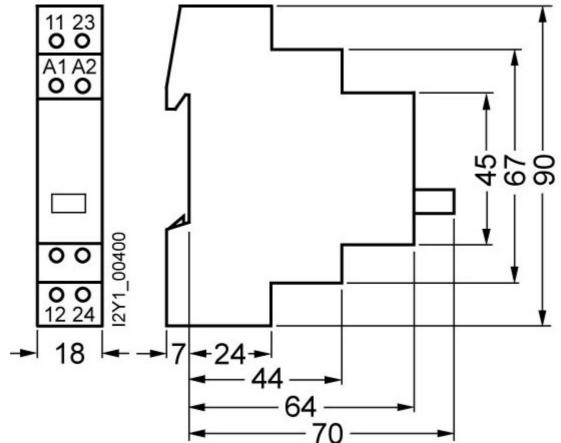
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4142-0

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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