SIEMENS

Data sheet

5TT4102-1



Remote control switch with 2 NO contacts, Contact for 230 V AC, 400V 16A Control 115 V 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				
 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 	load		5 mA			
Control current						
type of voltage						
 of control voltage 	ge_1		AC			
control voltage						
 _1 / initial value 	9		92 V			
 _1 / full-scale v 	alue		126.5 V			
 _1 / setpoint 			115 V			
control voltage freque	ency					
 _1 / initial value 	9		50 Hz			
 _1 / full-scale v 	alue		50 Hz			
Product details						
product component /	switch position indicator		Yes			
number of NC contac	ts		0			
number of NO contac	ts		2			
number of CO contac	ts		0			
Product function						
product function / dire	ect operation		Yes			
pulse duration / minin	num		50 ms			
Number						
number of terminals			6			
Connections						
connectable conducto conductor / with core	or cross-section / for flexi end processing	ble				
 minimum 			1 mm ²			
 maximum 			6 mm²			
connectable conducto	or cross-section / for rigid	conductor				
 minimum 			1 mm ²			
 maximum 			6 mm²			
tightening torque / wit	th screw-type terminals					
minimum			0.8 N∙m			
 maximum 			1 N·m			
Mechanical Design						
width of opening / of t	the contacts		1.2 mm			
mounting height			90 mm			
installation depth			70 mm			
number of modular w	idth units		1			
fastening method			DIN rail			
mounting position			any			
required spacing / for	live parts		6 mm			
net weight			150 g			
Environmental condit	tions					
ambient temperature	/ during operation					
 minimum 			-10 °C			
 maximum 			40 °C			
General Product Ap	oproval				Declaration of C	Conformity
<u>Confirmation</u>	DYE	<u>Miscellaneo</u>	<u>us</u>	FAL	CE	UK
	VDE			LIIL	EG-Konf.	CA
Test Certificates	other					
Miscellaneous	Miscellaneous	<u>Confirmatio</u>	<u>on</u>			

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=5TT4102-1

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

https://support.industry.siemens.com/cs/ww/en/ps/5TT4102-1

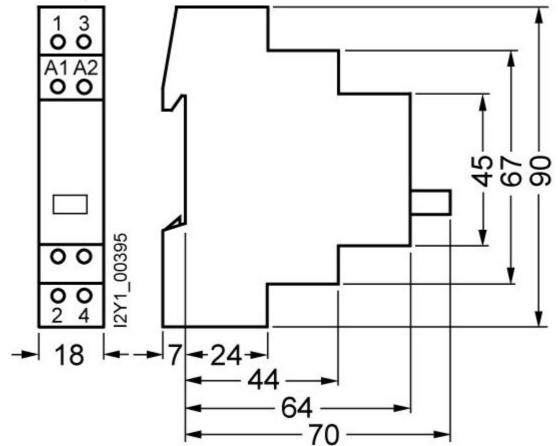
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4102-1

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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