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 (operating 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
Control current	
type of voltage	
● of control voltage_1	AC
control voltage	

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• _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 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
fastening method	DIN rail
mounting position	any
required spacing for live parts	6 mm
net weight	146 g
Environmental conditions	
ambient temperature during operation	
• minimum	-10 °C
• maximum	40 °C

General Product Approval			Declaration of Conformity		
Confirmation		Miscellaneous			

Test Certificates	other		Environment
Miscellaneous	Miscellaneous	Confirmation	Environmental Confirmations

Further information

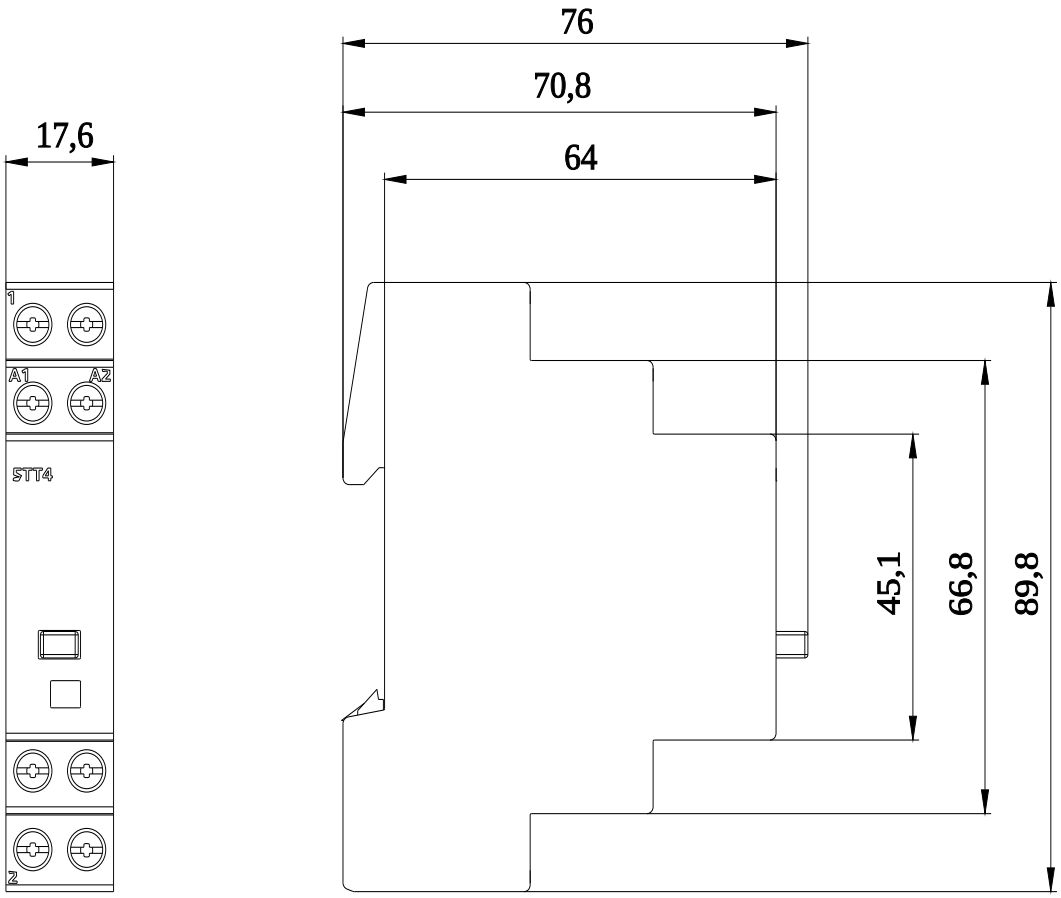
Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875

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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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